

RADIATION SAFETY

PRODUCT CATALOG



PROTECH
MEDICAL



ABOUT US

In 1986, Ronald Parasmó, a licensed optician in the state of Florida, was approached with an unusual request to repair leaded eyewear. The glasses belonged to a doctor and were used as protection against ionizing radiation. Ron quickly found the required materials to fix the eyewear and repaired them like new. The gentleman who sent Ron the eyewear was so impressed with the quality of his work that he began referring additional jobs. As time went on, the demand for repairs on lead glasses grew rapidly, so Ron began work on his own line of radiation protective eyewear.

By 1991, Ron had improved upon existing radiation safety eyewear by developing his own modern line. Working diligently in the office and at home, Ron nurtured his growing venture until Protech was incorporated in 1994.

In 1997, Protech developed one of the most popular gloves on the market today; the Proguard radiation reducing gloves for fluoroscopic procedures. The following year, the gloves were brought to market with FDA 510(k) approval and quickly rose to be the number one glove in the world.

Fulfilling Ron's commitment to high quality products, in 1999, Protech became ISO certified and gained CE on its gloves and eyewear. In the early 2000s, with the success of gloves and eyewear inspiring further growth, Protech set out on a mission to become the one-stop-shop for radiation protection apparel by introducing its own line of high quality, light weight aprons. Through the efforts of many great employees, the apron business took root. In 2004, with aprons becoming firmly established along with the introduction of storage and barrier products, Protech had officially transitioned from market disruptor to a mature, full-scale radiation apparel manufacturer.

In 2014, Ron's son Jarrod joined Protech's team to modernize and revitalize the business with the introduction of new products and through the development of different technology platforms and marketing campaigns. Fast-forward to today, Protech is now one of the most recognized manufacturers of radiation safety products in the world; known for its quality and service.

Protech offers a wide variety of products to keep you safe from harmful x-ray, including: non-lead aprons, leaded eyewear, radiation attenuation gloves, lead acrylic barriers, inventory management software, and other innovative solutions. Jarrod has proudly assumed the role as President and is currently leading the Protech family into a new period of growth and innovation.

MISSION STATEMENT

Our mission is to keep you safe by reducing your exposure to ionizing radiation and its harmful effects while offering innovative, lightweight and stylish solutions. Protech employs a team of professionals that takes great pride in the quality of its products. This is largely due to a leadership that is focused on quality and expert craftsmanship. Our entire staff understands the importance of the products we manufacture and how they contribute to your wellbeing. Protech's concern is, and will always be, your safety.

Quality. Service. Integrity.



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BACKED BY INDUSTRY LEADERS

"We were a part of IntelliTrack's initial development team. It was amazing seeing our recommendations being added to the software almost immediately. IntelliTrack's use of RFID technology vastly improved our inspection process and their reports made passing The Joint Commission inspections as simple as a push of a button."

--- Central Main Medical Center

"At first, IntelliTrack appeared to be overwhelming, but Jarrod helped us every step of the way. Whenever there was an issue, a brief call to IntelliTrack's professional team quickly helped resolve it. Thanks to IntelliTrack, managing our inventory is easy, and inspections are even easier."

--- Central Florida Regional Hospital

We wanted a software that could help manage apron inventory and improve inspection accuracy. We felt that the free softwares and apps were inadequate. Some of them even required employees to use their own personal devices. Intellitrack was the only true enterprise software that delivered on what we were looking for."

--- Stamford Hospital

INTELLITRACK

CLOUD BASED INVENTORY MANAGEMENT TRACKING

Protech introduces IntelliTrack: The intelligent way to track and manage your radiation protective apparel and equipment. IntelliTrack is an enterprise level software designed with flexibility and efficiency in mind to meet any of your unique needs. IntelliTrack offers RFID capabilities that enable you to quickly scan and inspect multiple aprons at the same time. Passing The Joint Commission (TJC) inspections will no longer be a burden with IntelliTrack's cloud based functionality and easy reporting.

ENTERPRISE PACKAGE
Unlimited Users
Monthly Fee (As low as \$16/month)
1 Time Setup Fee (\$250-\$3000)
RFID Technology Included
Unlimited Technical Support
Unlimited Departments

Save time & Scan Over 30 aprons at once with our RFID Reader and Smart Tag solution!



WHY?

Why choose IntelliTrack? The Joint Commission is cracking down on hospitals who have missing aprons and do not effectively manage or inspect their radiation protective apparel. Once you become an IntelliTrack customer, all garments purchased on or after that date come with their data already entered into IntelliTrack and a Smart Tag professionally sewn into the apron. Your radiation protective apparel will be managed from the minute your order is placed to the moment you need to replace or reorder. IntelliTrack will save you time and money whether you are looking to improve your inspection process or simply want to manage your apron inventory more effectively.



MULTI-FACILITY ADMIN MANAGER

IntelliTrack's distinctive admin management system empowers you to scale and manage numerous hospital facilities, departments, and users together with 1 simple login.



GROUP INSPECTION AND EDITING

Record inspection results for large groups of aprons at one time. Simplify inventory and inspection management with IntelliTrack's unique group editing features.



RFID TECHNOLOGY FOR RANGED SCANS

Easily scan and access your apron's information from a distance. Group scan up to 30 stacked aprons with no limits on the total number of aprons scanned, concurrently.



INVENTORY MANAGEMENT

Track your apron orders and be prepared for the future in hospital-wide inventory tracking solutions. Streamline data entry and improve reporting accuracy.



ADVANCED REPORTS

Generate custom reports for you and The Joint Commission. Can't find the report you're looking for? Our support team will gladly create it for you.



ORDER TRACKING

Easily keep track of your orders & shipments.

01

Protech's aprons are proudly hand-stitched in the USA with one collective mission: perfection. Our light-weight designs and ergonomic styles are the result of decades of manufacturing experience. Seamless finishes, clean stitching, and elegant curves are what make our aprons best-in-industry.

In short, Protech produces beautiful, hand-crafted aprons made with quality, passion, and integrity.



APRONS

QUALITY. SERVICE. INTEGRITY.

Protech Medical has some of the most professional sewing staff in the industry. This enables us to tailor aprons according to your needs and innovate new and improved designs that suit you. Fulfilling our commitment to high quality, Protech's Proguard Aprons are CE Marked and made in the USA. We also follow the strict guidelines of ISO from our notified body.

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LEAD TYPES

K-EDGE TECHNOLOGY

- Antimony/barium provide more efficient attenuation of the photon spectrum below the K-edge window of lead (35 - 88 keV)
- Higher Z elements, tungsten, bismuth and lead are more efficient for stopping higher energy radiation (>9/88 keV), and also cover the K-edge fluorescence window of antimony (< 35 keV).

Knowing what's inside your apron is as important as how that apron claims to protect you.

Each Proguard core material is carefully formulated to more efficiently attenuate portions of the photon spectrum and limit "gaps" in protection due to over-reliance on individual x-ray protective elements. Protech utilizes proper elemental balance to address k-edge concerns for key diagnostic imaging ranges. Protech's advanced elastomers exhibit the best balance of toughness, flexibility, durability and cracking resistance.



STANDARD LEAD

- **Features:** Affordable & Highly Protective
- **Composition:** Lead Plasticizers
- **Certifications:** ASTM & IEC Certified

AVERAGE APRON WEIGHTS
0.50MM LE (LBS)

	FRONTAL	VEST SKIRT	WRAP AROUND
X-Small	-	14.17	12.96
Small	7.68	15.30	15.01
Medium	8.63	16.46	16.61
Large	10.35	17.60	18.25
X-Large	11.74	19.81	19.88

LEAD ATTENUATION RESULTS

Lead Equivalence	70KV	90KV	110KV	130KV
0.25mm	94.6%	88.3%	84.8%	82.5%
0.35mm	97.7%	93.6%	91.3%	89.9%
0.50mm	98.8%	95.7%	94.1%	93.1%
1.00mm	99.9%	99.2%	98.9%	98.7%



ULTRALITE LEAD

- **Features:** Flexible, 14% lighter than lead
- **Composition:** Antimony, Tungsten, Lead, Plasticizers
- **Certifications:** ASTM & IEC Certified



PROLITE LEAD FREE

- **Features:** Highly Flexible, 18% lighter than lead
- **Composition:** Antimony, Bismuth, Plasticizers
- **Certifications:** ASTM & IEC Certified



PREMIER LEAD FREE

- **Features:** Highly Flexible, 23% lighter than lead
- **Composition:** Antimony, Tungsten, Plasticizers
- **Certifications:** ASTM Certified

AVERAGE APRON WEIGHTS 0.50MM LE (LBS)

	FRONTAL	VEST SKIRT	WRAP AROUND
X-Small	-	13.34	11.66
Small	7.04	14.60	13.99
Medium	8.15	15.45	15.62
Large	9.51	16.72	17.69
X-Large	10.27	18.01	18.84

AVERAGE APRON WEIGHTS 0.50MM LE (LBS)

	FRONTAL	VEST SKIRT	WRAP AROUND
X-Small	-	12.45	11.01
Small	6.78	13.48	12.98
Medium	7.71	14.77	14.24
Large	9.14	16.12	15.79
X-Large	10.23	17.45	16.76

AVERAGE APRON WEIGHTS 0.50MM LE (LBS)

	FRONTAL	VEST SKIRT	WRAP AROUND
X-Small	-	11.47	10.2
Small	6.07	12.29	11.56
Medium	7.04	13.90	13.12
Large	8.43	15.02	14.5
X-Large	9.39	16.08	15.47

ULTRALITE ATTENUATION RESULTS

Lead Equivalence	70KV	90KV	110KV	130KV
0.25mm	94.2%	87.9%	82.9%	78.7%
0.35mm	97.6%	93.2%	89.6%	86.2%
0.50mm	99.0%	96.2%	93.9%	91.4%
1.00mm	99.9%	99.3%	98.8%	98.0%

PROLITE ATTENUATION RESULTS

Lead Equivalence	70KV	90KV	110KV	130KV
0.25mm	94.2%	87.9%	82.4%	77.7%
0.35mm	97.9%	93.9%	89.9%	86.3%
0.50mm	99.0%	96.3%	93.5%	90.5%
1.00mm	99.9%	99.4%	98.5%	97.5%

PREMIER ATTENUATION RESULTS

Lead Equivalence	80KV	90KV	100KV
0.125mm	79.5%	76.4%	73.0%
0.25mm	93.2%	90.7%	88.2%
0.375mm	96.9%	95.2%	93.5%
0.50mm	98.5%	97.3%	96.1%



BILAYER

- **Features:** Highly Protective, Uses multiple layers
- **Composition:** Antimony, Bismuth, Plasticizers
- **Certifications:** ASTM + IEC Certified

AVERAGE APRON WEIGHTS 0.50MM LE (LBS)

	FRONTAL	VEST SKIRT	WRAP AROUND
X-Small	-	12.45	11.01
Small	6.78	13.48	12.98
Medium	7.71	14.77	14.24
Large	9.14	16.12	15.79
X-Large	10.23	17.45	16.76

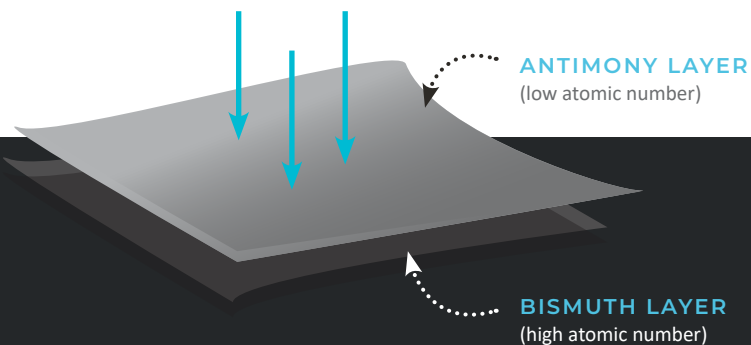
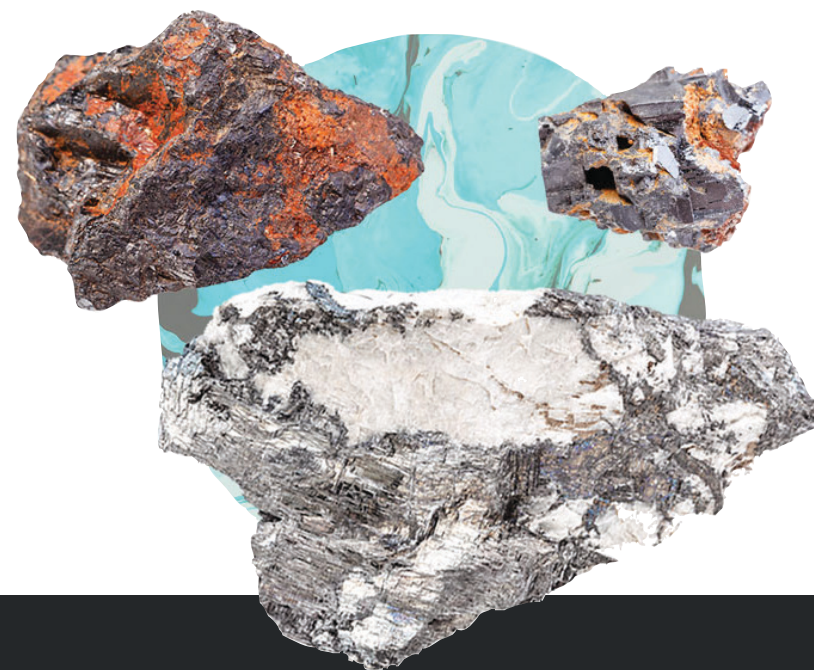
BILAYER ATTENUATION RESULTS

Lead Equivalence	60KV	70KV	90KV	110KV
0.25mm	PASS	PASS	PASS	PASS
0.50mm	PASS	PASS	PASS	PASS

WHAT MAKES BILAYER DIFFERENT?

Bilayer is comprised of individual layers of Antimony and Bismuth. By separating these attenuating elements into a bilayer configuration of low Z upstream/high Z downstream (Fig. 1), they are more efficient at diffusing radiation.

“The complimentary effects of the two materials result in increased total attenuation since the Bismuth layer will attenuate the characteristic $K\alpha$ and $K\beta$ x rays emitted by the Antimony...” [1]



Low Z upstream (antimony) High Z downstream (bismuth) bilayer configuration for 0.25mm LE

[1] - Medical Physics, Vol. 39, No. 7, July 2012



RENTAL APRONS

Rental aprons are essential for continuous education courses, cadaver workshops, or any other event that requires the use of fluoro and radiation protective apparel. There is no need to purchase and hold all of that inventory. Protech has a large selection of in stock apron rentals available to ship year round.

PROTECH

TAKING CARE OF YOUR APRON

DO'S

Clean most dirt and stains (blood, bodily fluids, barium contrast media) using designated apron cleaning solutions or mild household soaps in diluted form. To apply cleaning fluid, please use a cloth or wipe and use room temperature water.

DONT'S

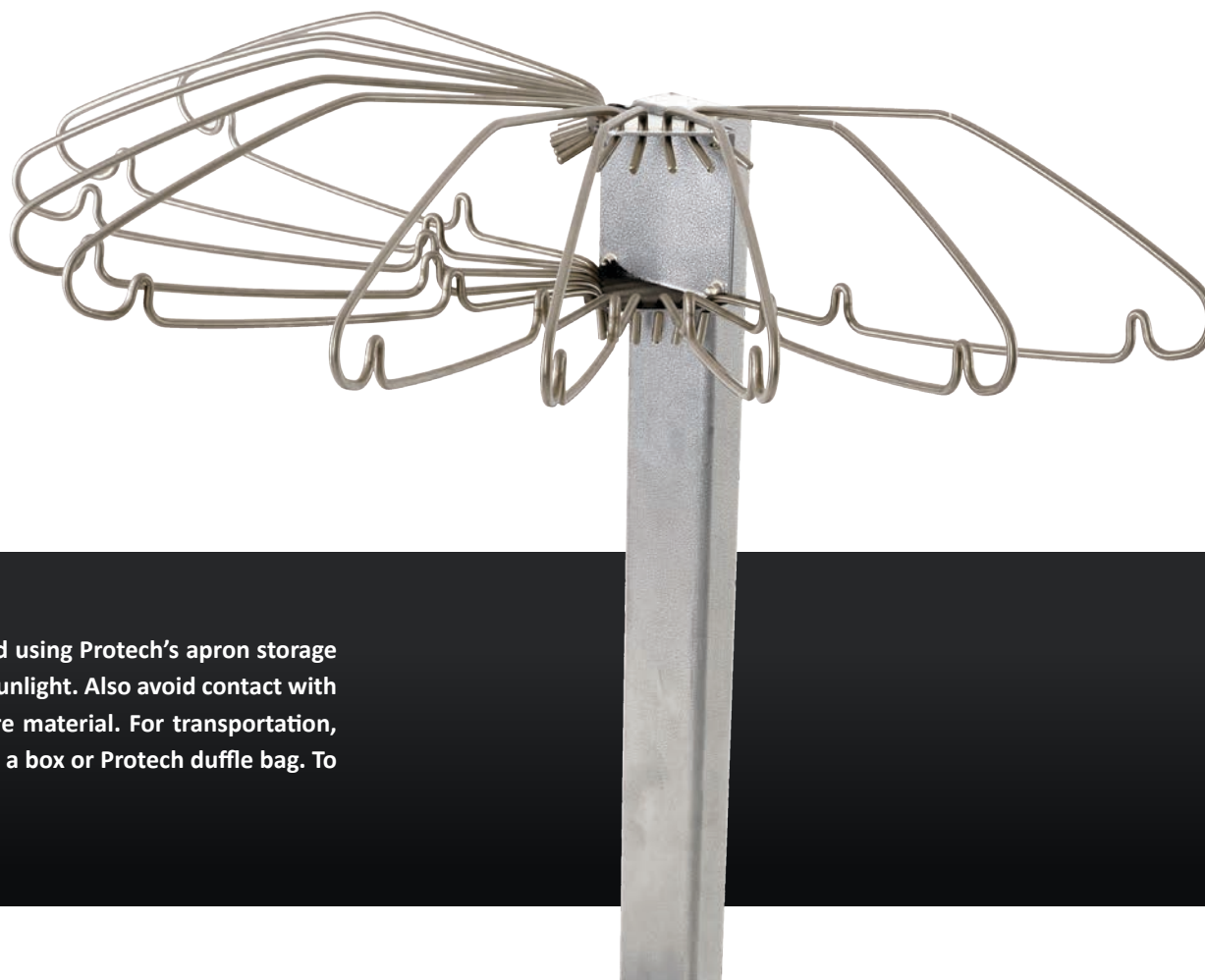
While it is possible, we DO NOT recommend you machine wash or dry your apron. Do not use hot or warm water. Do not iron or autoclave.

STORAGE

When not in use, garments should be placed on a hanger or stored using Protech's apron storage equipment. Avoid contact with hot surfaces or exposure to direct sunlight. Also avoid contact with sharp objects, as these may damage the garment's protective core material. For transportation, garments should be carefully rolled up, not folded, and placed into a box or Protech duffle bag. To view all of our apron storage products, please see pages 56-57.

LEAD DISPOSAL & RECYCLING

Aprons containing lead can be extremely hazardous to the environment and must be disposed of properly. Protech provides an in-house replacement service for this very occasion. Our disposal service is free with the purchase of any new apron! Simply call us or your local representative.



2 YEAR WARRANTY

Protech's high quality garments ("Garments", aka PPE or Aprons) include; aprons, thyroid collars, gloves, dental aprons, reproductive aprons, and lead accessories. The Garments are warranted to be free of defects in materials and workmanship to the original purchaser for 2 years.

Upon evaluation, Protech will either repair or replace the defective item or part without charge to the purchaser. This warranty is void when the product has been tampered with, when repairs or attempted repairs have been made by unauthorized persons, or when the item has been subject to misuse, abuse or damage in transit. No charges will be accepted or reimbursed for unauthorized parts, repairs or services.

Please contact your local representative for return instructions. All returns, repairs, or exchanges, regardless of reason, must be accompanied by an authorized RMA. Customer should make available the Purchase Order # or relevant sales information.



MANUFACTURER

FDA LISTING

OWNER/OPERATOR #: 10025412
FDA LISTING NUMBER: D048258
PRODUCT CODE: IWO

DEVICE CLASS: #1
REGULATION #: 892.6500
OSHA REGULATION: 1910.1096

QUALITY SYSTEM

ISO 9001
EU 2016/425, MODULE D, B

COMPLIANCE

EN 61331-1:2014: (EU) Protective devices against Diagnostic Medical X-ray radiation. (Determination of attenuation properties of material)

EN 61331-3:2014: (EU) Protective devices against diagnostic medical X-radiation Part 3: Protective clothing, Eyewear and Protective Patient shields.

ASTM 2547-18: (USA) Standard test method for determining the attenuation properties in a primary x-ray beam of materials used against radiation.



APOLLO

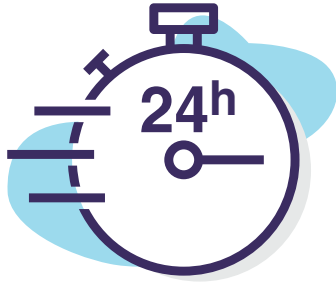
QUICKSHIP APRONS

The Apollo Quickship line offers high quality, radiation safety apparel **ready to ship within 24 hours**. All Apollo aprons are made with our easy-to-clean, Satinguard antimicrobial fabrics on both the apron's exterior and interior. It also comes with a matching, velcro thyroid collar secured via buckle attachment. All available styles on pages 14-15.

Apollo Quickship aprons are available in the following standard sizes:

	Small	Medium	Large	XL
Height	5'4"	5'8"	5'11"	6'2"+
Chest	42"	45"	48"	53"
Waist	34	38	42	46
Hips	36	40	44	48
Front Length	34	37	40.5	42.5
Front Width	21	22	24	26
Vest Length	22	24	25	25
Skirt Length	20	20	21	21





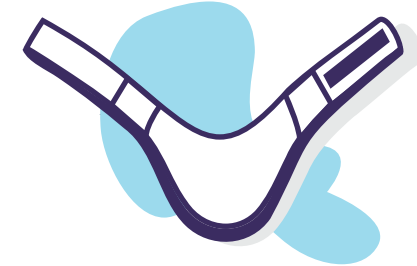
READY TO SHIP IN 24 HOURS

Skip the lead times! Your Apollo apron will be ready to ship in as little as 24 hours.



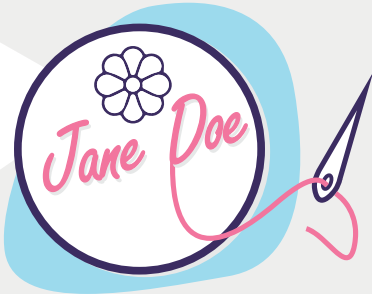
ANTIMICROBIAL FABRICS

Apollo aprons are made from our premium, easy-to-clean, antimicrobial Satinguard performance fabric.



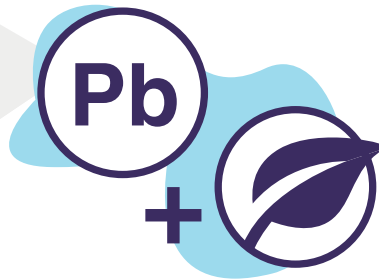
THYROID COLLAR INCLUDED

Because having a matching thyroid collar to go with your apron is almost as important as protecting your thyroid.



CUSTOM NAME TAG

Want to personalize your apron? A clear, vinyl sleeve on the apron shoulder holds an embroidered name tag.



LEAD + LEAD FREE OPTIONS

Whether you need Light Lead or Lead Free core material, we've got you covered.



NO ORDER FORMS REQUIRED

No complicated paperwork here. Just more free time.

NOTE: To ensure you get your apron as quickly as possible, Apollo aprons are not available in “made-to-measure” sizing or other customizations (with the exception of a name tag).



FLEXBACK APRON

MODEL: APO-FB

0.50mm LE Protection in the Front
Light Lead, Velcro Thyroid collar included
Available in Prolite Lead Free, Ultralite Lead, Lead
Features: Elastic Back, Extra Shoulder Padding, Pocket
Sizes: S, M, L, XL



VEST SKIRT APRON

MODEL: APO-VS

0.50mm LE Protection in the front
0.25mm LE Protection in the back
Light Lead, Velcro Thyroid collar included
Available in Prolite Lead Free, Ultralite Lead, Light Lead
Features: Buckle sets, Extra Shoulder Padding, Pocket
Sizes: S, M, L, XL



DENTAL APRON

MODEL: APO-DA

0.30mm LE Protection in the front
Thyroid collar included
Available in Light Lead
Features: Extra Shoulder Padding
Sizes: Adult (28" W x 31" L)



THYROID COLLAR

MODEL: APO-TCS

0.50mm LE Protection
Available in Velcro or Magnetic Closure
Available in Light Lead
Sizes: S, M, L, XL

#1 IN CUSTOM APRONS

Hand-crafted and made with patented polymer technology, our Proguard Aprons are more light-weight, flexible and durable than the competition. Protech specializes in tailor-made aprons. You can choose from over 100 colors for your apron's exterior color, interior color, and binding. When you're finished, you can add embroidery, logos and other add-ons for a truly customized experience.



PROGUARD





PROGUARD



A COMMITMENT TO QUALITY

With full time quality control staff and ISO certification, you are getting the best in American made protective apparel.



ULTRA-FLEXIBLE CORE MATERIALS

Proguard's Core materials feature more flexibility and durability which provides superior, long lasting comfort.



ECO-FRIENDLY LEAD FREE

Proguard lead free core materials are recyclable and non-toxic.



LUXRAY PATTERNS

LuXRay offers patterned accents on the apron's sides and shoulders combined with an optional matching design on your thyroid collar.



IN-HOUSE EMBROIDERY & LOGOS

Don't let your apron "disappear." Our embroidery and logos are done in-house with modern monogram machines and the latest in digitization technology.



NON-SLIP FABRIC ON SKIRT INTERIOR

Included for free, our premium non-slip fabric improves the fit of your skirt by reducing sliding and shifting.

CUSTOM PROJECTS

INSPIRATION

SWISS SOCCER CLUB SKIRT

This Swiss soccer club apron required great attention to detail to complete. The customer provided the fabric (which was actually a flag!) and our team got to work.

If you have a special fabric you want to use, send it our way! Our team loves a challenge.



LOUIS VUITTON FLEXBACK APRON

One of our favorite custom apron projects was this LuxRay pattern, Flexback featuring a Louis Vuitton fabric. Custom from top to bottom, this apron boasted an attached thyroid collar and velcro-adjustable apron sleeve also made in the Louis Vuitton fabric.



SUPERHERO VEST SKIRT APRON

This "Wonder Woman" inspired tri-tab vest skirt apron was a special request by one of our customers. We stitched a special Wonder woman logo on the front of the vest and a fun little star on the matching thyroid.



CUSTOMIZATION OPTIONS

When it comes to designing your perfect custom apron, Protech is #1. Our great selection of add-ons for your apron can improve your protection and comfort. Each customization is clearly defined to ensure you make the right choices for you.



CONTINUED ON
NEXT PAGE...

APRON SUSPENDERS

Need a little extra help holding up your apron skirt? Try our apron suspenders to keep that apron skirt right where you want it.

SURGICAL DROP SHOULDERS

Specialty velcro tabs can be added to different apron styles allowing for easy removal of your apron to maintain sterile field.



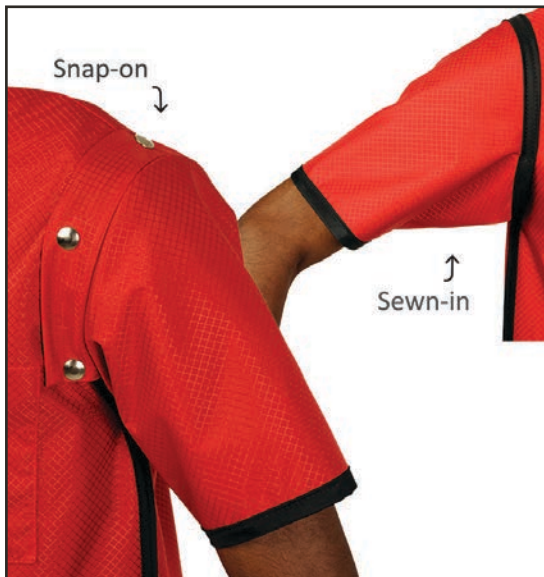
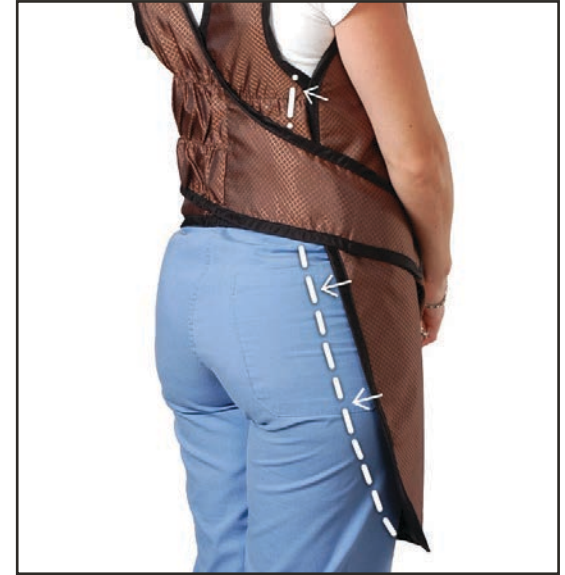


AXILLARY WINGS

Axillary wings are a protective flap sewn-in or “snapped-on” to your apron and offer vital protection to vulnerable breast tissue and red bone marrow areas. Protection levels will match your apron specifications.

SIDE EXTENSIONS

Side Extensions can provide an additional +2 inches of protection on both sides and provide important lateral protection. Protection levels will match your apron specifications.



APRON SLEEVE

Apron sleeves wrap around your entire arm and offer comprehensive protection of vulnerable breast tissue and red bone marrow areas. Sleeves come standard in 0.25mm LE and can be sewn-in permanently or offered in our removable “Snap-on” option.

EXTRA POCKETS

Need an extra pocket or two? Whether you need one on your skirt, inside your vest or even on your knees (yes, we did it), we can accommodate most requests. Shown to the right is a spacious L-shaped pocket which can be added to your skirt.





LOGO AND EMBROIDERY

Personalize your apron with your name or logo anywhere on your apron. Common embroidery locations are on the apron pocket and on a matching thyroid.

VELCRO PATCH

A customized, embroidered velcro patch can be added to a specific area on your apron. Typical locations are on the pocket, above pocket, or to the left of your pocket.



LUXRAY PATTERNS

Have your apron tailored to perfection with LuxRay's patterned accents on the apron sides, pocket and thyroid collar.

If you have a special fabric you'd like to use, we can use that too!

NON-SLIP FABRIC

A high friction, anti slip fabric that is added to the back interior of your skirt or other key areas in different apron styles which reduces slippage and improves fit.



APRON ORDERING GUIDE

1

STEP 1:

CHOOSE YOUR APRON STYLE

We offer two types of aprons: Frontal and Full Protection.

As their names suggest, a Frontal apron only protects the front of your body, while a Full Protection apron offers both front, lateral, and back protection.

For a **lighter weight apron**, choose a Frontal style. Our most popular frontal apron is the Flexback apron (see page 27).

For **greater protection**, choose a Full Protection apron. We recommend the Vest Skirt Flexback, which offers a balance of protection and comfort (see page 38).

Other important factors that should be considered in choosing your apron style: types of surgery, duration, body type and personal needs.



2

STEP 2:

CHOOSE YOUR CORE MATERIAL

Each core material varies in composition, weight and level of protection. Available Core Materials are listed below. For more information, please see pages 6-9.



STANDARD LEAD

- **Features:** Affordable & Highly Protective
- **Composition:** Lead, Plasticizers
- **Certifications:** ASTM & IEC Certified



PROLITE LEAD FREE

- **Features:** Highly Flexible, 18% lighter than lead
- **Composition:** Antimony, Bismuth, Plasticizers
- **Certifications:** ASTM & IEC Certified



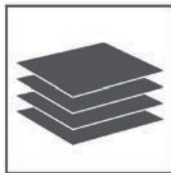
ULTRALITE LEAD

- **Features:** Flexible, 14% lighter than lead
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- **Certifications:** ASTM & IEC Certified



PREMIER LEAD FREE

- **Features:** Highly Flexible, 23% lighter than lead
- **Composition:** Antimony, Tungsten, Plasticizers
- **Certifications:** ASTM Certified



BILAYER

- **Features:** Highly Protective, Uses multiple layers
- **Composition:** Antimony, Bismuth, Plasticizers
- **Certifications:** ASTM + IEC Certified

3

STEP 3:

CHOOSE YOUR CORE MATERIAL THICKNESS

Higher thicknesses achieve greater protection. Also note that higher thicknesses are heavier. Available thicknesses: 0.25, 0.35, 0.50, 1.00mm LE.





4

STEP 4: CHOOSE YOUR FABRIC COLORS

You will need to choose colors for the exterior, interior and binding thread of your apron. Need a fabric that performs? Consider our anti-microbial, Satinguard fabrics for an easy-to-clean option. You can view our fabric color options on pages 60-63.

If you have your own fabric that you'd like to use, we can accommodate! Just take a look at this Louis Vuitton apron; a special request by one of our customers.



5

STEP 5: CHOOSE CUSTOMIZATIONS

Depending on your apron style, you'll have a variety of customization options to choose from. Some examples: Embroidery, axillary wings, logos, extra pockets, etc. See pages 19-21 for more information.

Please note: Essentials aprons are only available in standard sizes and cannot be customized. If you need a made-to-measure Vest Skirt or Wraparound apron, please select the Balance configuration.

FRONT PROTECTION

APRON FEATURES



Backstrap

Velcro backstrap securely fastens shoulder area.

Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.



Back Relief Belt

Wide, elastic belt provides lumbar support and maximum comfort.

Apron Pocket

Belt Buckle Closure

ADDITIONAL CUSTOMIZATION OPTIONS

Thyroid Collar	Drop Shoulder	Wings
Extra Pocket	Embroidery	Back Mesh
Logo	Sleeve	

CORE MATERIAL

THICKNESS OPTIONS

Standard Lead	0.25, 0.50mm, 1.00mm
Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

BACK RELIEF APRON

MODEL: [AP-BR]

Save yourself from back pain with Protech's Back Relief apron. This apron features a unique padded belt system constructed with a bonded elasticized panel that will not lose its shape. When engaged, the special back relief belt provides lumbar support while transferring the weight of the apron from your shoulders to your hips for increased comfort and back support throughout the life of the apron. A velcro backstrap is also included to secure the apron around your shoulder area and prevent sliding.



BUCKLE APRON

MODEL: [AP-BA]

The Buckle Apron comes standard with an easy-release buckle allowing for quick removal of the apron. The belt is adjustable to accommodate different sizes. Criss-cross back straps provide a secure, comfortable fit.



FRONT PROTECTION

APRON FEATURES



Wide Body Back Panels
The comfortable panels secure your apron and provides lumbar support.

Shoulder Padding
Premium foam padding in the shoulders provides extra comfort.

Apron Pocket

Durable Buckle Closure

ADDITIONAL CUSTOMIZATION OPTIONS

Thyroid Collar	Drop Shoulder	Elastic Back
Extra Pocket	Embroidery	Backstrap
Logo	Sleeve	

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
Leaf	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
Shield	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
Stack	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FRONT PROTECTION

APRON FEATURES

+ **Backstrap**
Velcro backstrap securely fastens shoulder area.

+ **Elastic Back**
Provides enhanced adjustability and lumbar support. Shifts weight from shoulders & hips.

Shoulder Padding
Premium foam padding in the shoulders provides extra comfort.

Apron Pocket

Velcro Closure

ADDITIONAL CUSTOMIZATION OPTIONS

Thyroid Collar	Drop Shoulder	Wings
Extra Pocket	Embroidery	Back Mesh
Logo	Sleeve	

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
U	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
P	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
B	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.



FLEXBACK APRON

MODEL: [AP-FB]

Representing the gold standard of quality, the Flexback apron design provides enhanced back relief, comfort, and excellent weight distribution. Criss-cross back straps are specially designed with elastic to “flex” the apron’s weight burden off your shoulders to your hips, thereby providing support to your lower back. A velcro backstrap (shown below) is included and secures the apron around your shoulder area to prevent sliding.



SURGICAL DROP APRON

MODEL: [AP-SD]

Maintain your sterile field with the quick release Surgical Drop Apron. Easy-release velcro closures allow the surgical drop to fall even when underneath your scrubs. With padded shoulders and a criss-cross back strap design the surgical drop apron provides maximum comfort for all users. Hanging straps are included to allow for easy storage on any Protech apron rack.



FRONT PROTECTION

APRON FEATURES

- +** **Hanging Straps**
Hanging straps on the shoulders allow for easy storage on any Protech apron rack.
- +** **Surgical Drop**
Quick release velcro closure tabs help maintain sterile field.
- +** **Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- +** **Apron Pocket**
- +** **Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Extra Pocket
- Embroidery
- Logo

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FRONT PROTECTION

APRON FEATURES






- Shoulder Padding
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket
- Tie Closure

ADDITIONAL CUSTOMIZATION OPTIONS

- | | | |
|----------------|------------|-----------|
| Thyroid Collar | Embroidery | Wings |
| Logo | Sleeve | Backstrap |

CORE MATERIAL

THICKNESS OPTIONS

 Standard Lead	0.25, 0.50mm, 1.00mm
 Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
 Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
 Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
 Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

TIE APRON

MODEL: [AP-TA]

The Tie Apron is an easy-to-use, affordable option for x-ray protection. Utilizing a tie closure, the Tie Apron's criss crossing straps ensure a secure and comfortable fit. Pediatric sizing available, see page 52.



UROLOGY APRON

MODEL: [AP-UA]

If you sit while performing procedures requiring x-ray, you may be unnecessarily exposing yourself to radiation. The Urology Apron features a three panel system at the bottom of the apron which enables the user to sit comfortably while maintaining maximum coverage from x-ray.



FRONT PROTECTION

APRON FEATURES

- +** **Multi-Panel Design**
Allows for easy maneuvering and a comfortable fit.
- +** **Backstrap**
Velcro backstrap securely fastens shoulder area.
- +** **Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- +** **Apron Pocket**
Velcro Closure

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Drop Shoulder
- Wings
- Extra Pocket
- Embroidery
- Back Mesh
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FRONT PROTECTION

APRON FEATURES



Wide Body Back Panels

The comfortable panels secure your apron and provides lumbar support.

Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

Apron Pocket

Velcro Closure

ADDITIONAL CUSTOMIZATION OPTIONS

Thyroid Collar	Drop Shoulder	Wings
Extra Pocket	Embroidery	Backstrap
Logo	Sleeve	Back Mesh

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
Leaf	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
Bird	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
Stack	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

VELCRO ADJUSTABLE APRON

MODEL: [AP-VA]

Do you need comfort and adjustability at an affordable price? The Velcro Adjustable apron has crisscrossing back straps that provide back support while securing the apron around your waist. Wide back straps prevent the apron from slipping around your shoulder and back area. Pediatric sizing available, see page 52.



MATERNITY APRON

MODEL: [AP-MA]

The maternity apron features easy ties and a quick release buckle to secure the back and front panels; allowing complete adjustability during pregnancy. The maternity apron also includes an additional .50mm equivalent half apron for a total of 1.00mm Pb protection over the abdominal area and lower extremities.



FULL PROTECTION

APRON FEATURES





- + Complete Coverage**
The front & back panels ensure you are fully protected from beginning to end of your pregnancy.
- + Half Apron Included**
A Half apron is included for additional protection as you progress through your pregnancy.
- Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Tie & Buckle Closures**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo

CORE MATERIAL

THICKNESS OPTIONS

 Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
 Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
 Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
 Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FULL PROTECTION

APRON FEATURES





- + **Elastic Back**
Provides enhanced adjustability and lumbar support. Shifts weight from shoulders & hips.
- + **Single Front Panel**
Eliminates excess overlapping panels achieving a 15% weight reduction (compared to other wraparound and VS models).
- + **Tri-tab Closure**
Ensures a proper fit.
- Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- | | | |
|----------------|-------|--------------|
| Thyroid Collar | Wings | Extra Pocket |
| Embroidery | Logo | Sleeve |

CORE MATERIAL

THICKNESS OPTIONS

	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

WRAPAROUND FLEXBACK MATERNITY APRON

MODEL: [AP-WAFBMA]

The Wraparound Flexback Maternity apron combines the best qualities of our flexback apron with the full protection and back support of our wraparound back relief apron. The elastic stretch-back shifts weight from your shoulders to your hips while the tri-tab velcro closure system provides convenient, easy-on easy-off wearability. In addition, the 6" wide frontal velcro allows the wearer to adjust the crossties up or down to account for mom's growing belly. The Wrap Around Flexback eliminates excess overlapping lead and is up to **15% lighter than traditional wrap styles.**



ESSENTIAL™ WRAPAROUND BACK RELIEF APRON

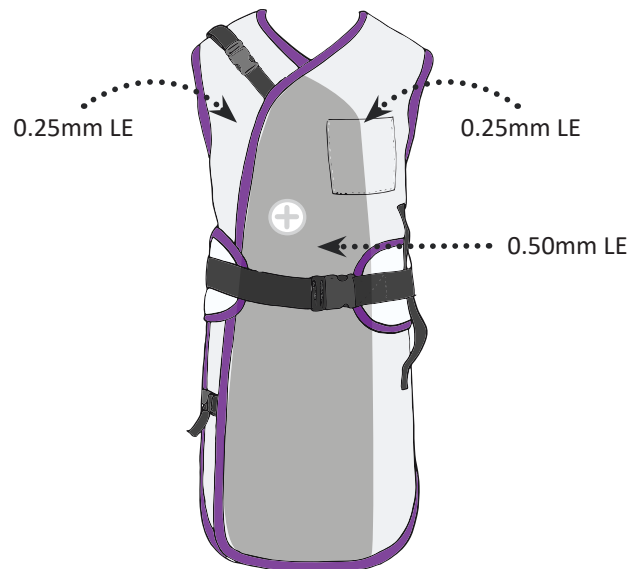


MODEL: [AP-WAQ]

Offering full protection, this back relieving design transfers the weight from your shoulders to your hips with the aid of a 6" lumbar support belt. The Wrap Around Back Relief apron features velcro and buckle closures to ensure a proper fit. The Essential apron configuration features extended front panels to achieve a 3/4 overlap (where protection is doubled) which allows for a lighter weight apron without compromising protection. The Essential Wraparound is available in standard sizing only. For a made-to-measure Wrap-around apron, see the Balance Wraparound on the next page.



Example of a 0.50mm LE
Essential Vest Skirt Apron
Lead Configuration



FULL PROTECTION

APRON FEATURES

- Adjustable Buckle Set**
Adjustable buckle closures ensure a secure fit.
- Back Relief Belt**
Elastic lumbar support belt with buckle closure system.
- Extended Front Panels**
Front panels are extended to 3/4 overlap coverage where LE protection is doubled
- Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Velcro and Buckle Closures**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FULL PROTECTION

APRON FEATURES

+ Adjustable Buckle Set
Adjustable buckle closures ensure a secure fit.

+ Back Relief Belt
Elastic lumbar support belt with buckle closure system.

+ Seam-to-seam Protection
Seam-to-seam, standardized protection in Front (no change in protection at overlap)

Shoulder Padding
Premium foam padding in the shoulders provides extra comfort.

Apron Pocket

Velcro and Buckle Closures

ADDITIONAL CUSTOMIZATION OPTIONS

Thyroid Collar	Wings	Extra Pocket
Embroidery	Logo	Sleeve

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

BALANCE™ WRAPAROUND BACK RELIEF APRON

MODEL: [AP-WABR]

Offering full protection, this back relieving design transfers the weight from your shoulders to your hips with the aid of a 6" lumbar support belt. The Wrap Around Back Relief apron features velcro and buckle closures to ensure a proper fit. The Balance configuration features **seam-to-seam, single LE protection with standard overlapping panels** (see below for lead configuration).

Example of a 0.50mm LE Balance Vest Skirt Apron Lead Configuration



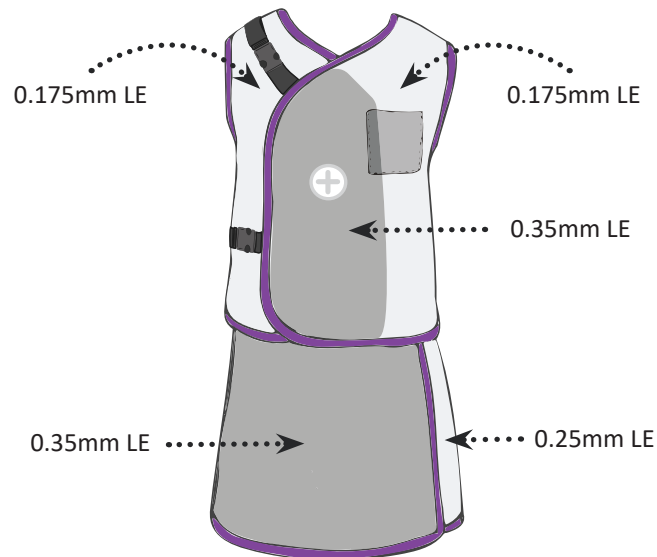
ESSENTIAL™ VEST SKIRT APRON

MODEL: [AP-VSQ]

Be prepared for prolonged procedures with the Vest Skirt apron. The two piece design shifts 70% of the weight directly to the hips, reducing back fatigue. The Essential apron configuration **features extended front panels to achieve a 3/4 overlap (where protection is doubled) which allows for a lighter weight apron without compromising protection.** The skirt comes standard with a premium non-slip fabric in the back. **Essential aprons are only available in standard sizes.** For a made-to-measure Vest Skirt, see the Balance Vest Skirt Apron.



**Example of a 0.35mm LE
Essential Vest Skirt Apron
Lead Configuration**



FULL PROTECTION

APRON FEATURES

- +** Adjustable Buckle Set
Adjustable buckle closures ensure a secure fit.
- +** Non-slip Backing (skirt interior)
Reduces slippage and improves fit.
- +** Extended Front Panels
Front panels are extended to 3/4 overlap coverage where LE protection is doubled
- Shoulder Padding
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket
- Velcro Closure

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FULL PROTECTION



BALANCE™ VEST SKIRT APRON

MODEL: [AP-VS]

APRON FEATURES

- +** **Adjustable Buckle Set**
Adjustable buckle closures ensure a secure fit.
- +** **Non-slip Backing (skirt interior)**
Reduces slippage and improves fit.
- +** **Seam-to-seam Protection**
Seam-to-seam, standardized protection in Front (no change in protection at overlap)
- Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

Be prepared for prolonged procedures with the Vest Skirt apron. The two piece design shifts 70% of the weight directly to the hips, reducing back fatigue. The Balance configuration **features seam-to-seam, single LE protection with standard overlapping panels** (see below for lead configuration). The skirt comes standard with a premium non-slip fabric in the back.

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm

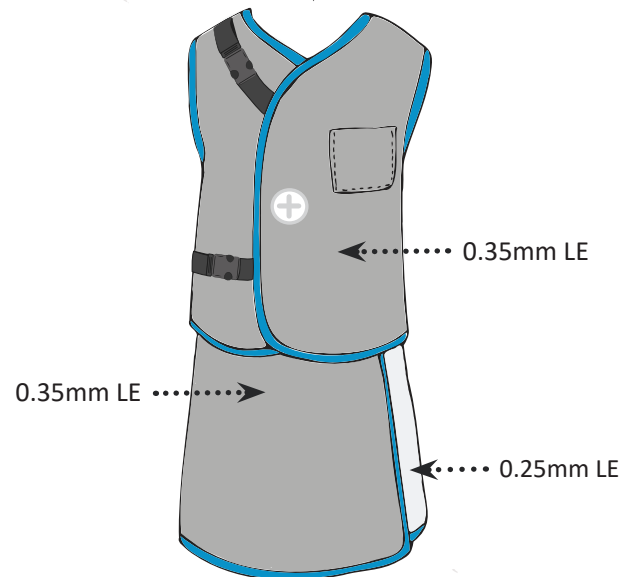


FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

Example of a 0.35mm LE Balance Vest Skirt Apron Lead Configuration



ESSENTIAL™ FLEXBACK VEST SKIRT APRON

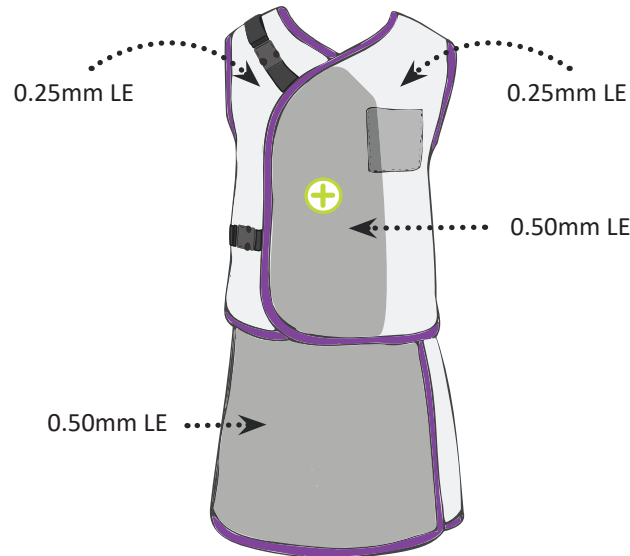


MODEL: [AP-VSFBQ]

The Essential Vest Skirt Flexback shifts 70% of the weight directly to the hips with added support of an adjustable, elastic back relief belt. The Essential apron configuration **features extended front panels to achieve a 3/4 overlap (where protection is doubled) which allows for a lighter weight apron without compromising protection.** The skirt comes standard with an anti-slip fabric in the back (interior) to keep your skirt in place. **Essential aprons are only available in standard sizes.** For a made-to-measure Vest Skirt Flexback, see the Balance Vest Skirt Flexback Apron.



Example of a 0.50mm LE Essential Vest Skirt Apron Lead Configuration



FULL PROTECTION

APRON FEATURES

- + **Adjustable Buckle Set**
Adjustable buckle closures ensure a secure fit.
- + **Flexback Belt**
Wraps internally around your back and securely fastens in the front.
- + **Non-slip Backing (skirt interior)**
Reduces slippage and improves fit.
- + **Extended Front Panels**
Front panels are extended to 3/4 overlap coverage where LE protection is doubled
- Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

Standard Lead	0.25, 0.50mm, 1.00mm
Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FULL PROTECTION



BALANCE™ FLEXBACK VEST SKIRT APRON

MODEL: [AP-VSFB]

APRON FEATURES

- +** **Adjustable Buckle Set**
Adjustable buckle closures ensure a secure fit.
- +** **Flexback Belt**
Wraps internally around your back and securely fastens in the front.
- +** **Non-slip Backing (skirt interior)**
Reduces slippage and improves fit.
- +** **Seam-to-seam Protection**
Seam-to-seam, standardized protection in Front (no change in protection at overlap)
- +** **Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- +** **Apron Pocket**
- +** **Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

The Essential Vest Skirt Flexback shifts 70% of the weight directly to the hips with added support of an adjustable, elastic back relief belt. The Balance configuration **features seam-to-seam, single LE protection with standard overlapping panels** (see below for lead configuration). The skirt comes standard with an anti-slip fabric in the back (interior) to keep your skirt in place.

Example of a 0.50mm LE Balance Vest Skirt Apron Lead Configuration

CORE MATERIAL

THICKNESS OPTIONS

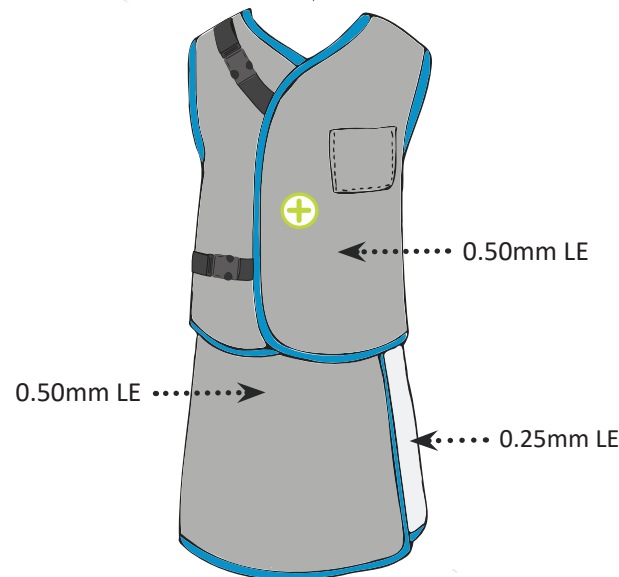
Pb	Standard Lead	0.25, 0.50mm, 1.00mm
U	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
P	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
B	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.



WRAPAROUND FLEXBACK APRON




MODEL: [AP-WAFB]

Want the ultimate in comfort and protection? The Wrap Around Flexback apron combines the best qualities of our flexback apron with the full protection and back support of our wraparound back relief apron. The elastic stretch-back shifts weight from your shoulders to your hips while the tri-tab velcro closure system provides convenient, easy-on easy-off wearability. The Wrap Around Flexback eliminates excess overlapping lead and is up to **15% lighter than traditional wrap styles.**



FULL PROTECTION

APRON FEATURES





-  **Elastic Back**
Provides enhanced adjustability and lumbar support. Shifts weight from shoulders & hips.
-  **Single Front Panel**
Eliminates excess overlapping panels achieving a 15% weight reduction (compared to other wraparound and VS models).
-  **Tri-tab Closure**
Ensures a proper fit.
- Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

 Standard Lead	0.25, 0.50mm, 1.00mm
 Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
 Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
 Bilayer	0.25, 0.50mm, 1.00mm







FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FULL PROTECTION

APRON FEATURES

-  **Elastic Back**
Provides enhanced adjustability and lumbar support. Shifts weight from shoulders & hips.
-  **Single Front Panel**
Eliminates excess overlapping panels achieving a 10% weight reduction (compared to VS model).
-  **Tri-tab Closure Design**
Ensures a proper fit.
-  **Non-slip Backing (skirt)**
Reduces slippage and improves fit.






- Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Multi-tab Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

Thyroid Collar Extra Pocket Embroidery
Logo Sleeve

CORE MATERIAL

THICKNESS OPTIONS

 Standard Lead	0.25, 0.50mm, 1.00mm
 Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
 Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
 Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
 Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 58-63.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.



TRI-TAB VEST SKIRT APRON

MODEL: [AP-TVS]

With an easy-on, easy-off multi tab (velcro) closure design, the Tri-tab is a popular style for vest and skirt combinations. Velcro closures are located on the left shoulder and around the hips. An elastic back allows for a flexible fit while providing premium comfort and back support. The Tri-tab Vest Skirt reduces excess overlapping lead and is **up to 10% lighter than traditional vest models.**



DENTAL APRON



MODEL	AP-DA
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50, 0.35, 0.25mm (standard) LE
CLOSURE	None
SIZING	Adult: 28" W x 31" L Pediatric: 24" W x 23" L
CUSTOMIZATIONS	Embroidery and Logo
ADD-ONS	Thyroid Collar (included)
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

Features a non-slip microfiber material that ensures the apron lays in place over the patient. There are no closures. The thyroid collar is included.



DENTAL PANORAMIC PONCHO



MODEL	AP-DP
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50, 0.35, 0.25mm (standard) LE
CLOSURE	Velcro
SIZING	Adult: 24" W x 27" L x 16" L (front) Pediatric: 22" W x 12" L x 6" L (front)
CUSTOMIZATIONS	Embroidery and Logo
ADD-ONS	Thyroid Collar
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

Drapes over the body to provide front and back protection. Similar to the dental cape but the velcro closure is on the shoulder area. The Dental Panoramic Poncho comes in two sizes.



ORIGINAL THYROID COLLAR



MODEL	AP-TCO
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro (shown), Magnets or Buckle
SIZING	SM: 13-14" MD: 15-16" LG: 17"+ XL: Custom
CUSTOMIZATIONS	Embroidery and Logo
ATTACHMENTS	Loose, Clip, Keyring, Tethered
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

The original style thyroid collar fits lower on the neck, offering coverage of the thyroid against scatter radiation. Velcro strips on the end allow for neck size adjustability. This streamlined style is our most popular.



STANDARD THYROID COLLAR



MODEL	AP-TCS
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro, Magnets or Buckle (shown)
SIZING	SM: 13-14" MD: 15-16" LG: 17"+ XL: Custom
CUSTOMIZATIONS	Embroidery and Logo
ATTACHMENTS	Loose, Clip, Keyring, Tethered
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

The standard radiation thyroid collar is designed to fit higher along the neck while providing complete coverage of the thyroid against x-ray radiation.



PROGUARD THYROID COLLAR



MODEL	AP-TCG
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	SM: 21" MD: 22" LG: 23" XL: 24"
CUSTOMIZATIONS	Embroidery and Logo
ATTACHMENTS	Loose, Clip, Keyring, Tethered
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

Featuring a form-fitting design and velcro closure, the Proguard thyroid collar provides front and back protection.



MAMMOGRAPHY THYROID COLLAR



MODEL	AP-TCM
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro (shown) or Buckle
SIZING	One Size: 29" L, 4" Bib
CUSTOMIZATIONS	Embroidery and Logo
ATTACHMENTS	Loose, Clip, Keyring, Tethered
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

Don't let the standard or original thyroid collar get all the attention. The mammography's sleek profile provides a detachable alternative to "sewn-in" thyroid collars while allowing for adjustability. Additionally, the mammography thyroid collar serves as a valuable option for patient protection.



THYROID COLLAR COVERS

MODEL	SG-TCCD
CORE MATERIALS	None
MATERIAL	SMS
SIZING	One size fits all
FEATURES	Disposable
UOM QTY	50 per box

Our disposable thyroid collar covers do not provide protection against x-ray, but are a useful way to encourage the use of thyroid collars by keeping them clean. The thyroid collar covers fit a wide variety of thyroid collar styles, will prevent damage from make-up and prevent the build-up of filth. Extend the life of your thyroid collars by covering them with ScatterGuard's hygienic, disposable thyroid collar cover.



PROGUARD SMART CAP



MODEL	AP-PGCAP
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Beaded Adjustable Strap
SIZING	SM-M: 21-22" L-XL: 23-25"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

Need head protection that is breathable, light-weight, and comfortable? The Proguard Smart Cap features breathable CoolGuard spandex fabric on the top while providing protection around the sides of your head.



PAGE CAP



MODEL	AP-PAGE
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	S: 21" M: 22" L: 23" XL: 24"
CUSTOMIZATIONS	Embroidery and Logo
PROTECTION	Side Protection
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

The Page Cap is designed to provide protection around the sides of your head, while the top contains no lead. Alternatively, similar to a scrub cap, the Head Cap provides x-ray protection around the entire head. Velcro tab closures allow for an adjustable fit on both styles. *Sizes based on head circumference.



HEAD CAP



MODEL	AP-CAP
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	S: 21" M: 22" L: 23" XL: 24"
CUSTOMIZATIONS	None
PROTECTION	Top and Side Protection
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

Similar to a scrub cap, the Head Cap provides x-ray protection around the entire head. Velcro tab closures allow for an adjustable fit on both styles. *Sizes based on head circumference.



DISPOSABLE SMART CAP



MODEL	SG-DCAP
CORE MATERIALS	Prolite Lead Free
THICKNESS	0.125, 0.25, or 0.375mm LE
CLOSURE	Ties
SIZING	One size fits all
CUSTOMIZATIONS	None
COLORS	Blue
CE	Yes (only 0.25mm LE)

ScatterGuard's disposable Smart Caps are designed to provide essential protection against scatter radiation. Light-weight and adjustable, our Smart Cap has a convenient, universal fit. The Smart Cap is made with a premium lead-free material and may be disposed of through normal waste procedures. The disposable Smart Cap blocks up to 95% of radiation depending on whether you choose 0.125, 0.25, or 0.375mm LE.



SCOLIOSIS STOLE



MODEL	AP-STOLE
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Buckle
SIZING	Pediatric: 15" x 4.75" Medium: 18.5" x 6.75" Large: 23.5" x 8"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

The scoliosis stole is primarily used for spinal imaging. The shield features velcro panels and an adjustable belt for proper positioning. The neck area does not contain lead, allowing complete visibility of the spine during x-ray, while offering protection to the breast area. This shield is great for scoliosis studies.



GONAD/OVARIAN SHIELD



MODEL	AP-GONAD/GONAD-SET
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Buckle
SIZING	Small - 5.75" x 4.5" Medium - 7.6" x 6.4" Large - 9.5" x 7.8" Pediatric sizing also available (page 54)
CUSTOMIZATIONS	Embroidery and Logo
SPECIAL	Available as a set of 4 or individually
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

This unique gonad/ovarian shield belt system comes complete with four interchangeable sizes which provide coverage from x-ray for a variety of needs. The adjustable buckle also allows the user to fit almost any waist size. The gonad/ovarian belt system comes as a set of 3 sizes (adult or pediatric sets). They can also be purchased individually.



APRON SLEEVE



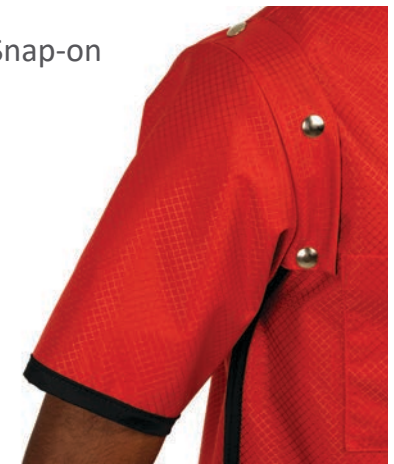
MODEL	AP-SLV/SLV2
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50, 0.35, 0.25mm (standard) LE
CLOSURE	Snap-on or Sewn-in
SIZING	Small, Medium, Large, XL or Custom
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

This optional sleeve is available for many apron styles and protects the upper arm and shoulder from direct beam and scatter radiation. It can be attached as a snap-on or directly sewn-on.

Sewn-in



Snap-on



SHIN GUARDS



MODEL	AP-SG
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	SM: 13" x 9" M: 14" x 10" L: 16" x 12" XL: 18" x 24"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

When being exposed to ionizing radiation, all forms of radiation protection are necessary. Shin Guards protect against beam scatter when no table drapes are present. Optional feet protector extensions may be added.



HALF APRON



MODEL	AP-HA
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	SM: 10" x 10" MD: 18" x 16" LG: 24" x 20" XL: 24" x 24"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 60-63

The half apron can provide extra radiation protection. Selling it separate also allows you to mix and match a smaller bottom half with a larger top piece or vice versa.



CORSET BELT

MODEL	AP-CORSET
PROTECTION	None
SIZING (FEMALE)	Small - 4XL (Use apron waist measurement)
SIZING (MALE)	Small - 4XL (Use apron waist measurement)
COLORS	Black

Our corset belt is a great apron accessory for added back support when wearing a radiation protective apron. The finger pull tab and pulley system along the spine provides for simple adjustment and even tension.

***The corset belt is worn under the apron.**
**** Use apron waist measurements on page 59 to determine your size.**



BACK RELIEF BELT

MODEL	AP-BLT
PROTECTION	None
CLOSURE	Buckle
SIZING (FEMALE)	XS: 24-26" S: 26-28"
	M: 28-31" L: 31-33"
	XL: 34-38"
SIZING (FEMALE)	XS: 30-33" S: 33-36"
	M: 37-40" L: 41-44"
	XL: 44-48"
CUSTOMIZATIONS	None
COLORS	Refer to fabric colors on pages 60-63

The back relief belt is constructed of neoprene bonded elastic. It features high quality components that do not lose elasticity. The belt also features a non-slip adjustable buckle to ensure a secure fit. The back relief belt attaches separately from the apron.





PEDIATRIC PROTECTION

PEDIATRIC TIE APRON



MODEL	AP-TA-CH
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Tie
SIZING	Small: 12 x 24" (Ages 1-3) Medium: 14 x 26" (Ages 4-6) Large: 16 x 28" (Ages 7-10)
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

The Tie Apron is an easy-to-use, affordable option for x-ray protection. Utilizing a tie closure, the Tie Apron's criss crossing straps ensure a secure and comfortable fit. Premium foam padding in the shoulders provides extra comfort.



PEDIATRIC VELCRO ADJUSTABLE APRON



MODEL	AP-VA-CH
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	Small: 12 x 24" (Ages 1-3) Medium: 14 x 26" (Ages 4-6) Large: 16 x 28" (Ages 7-10)
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

The Velcro Adjustable apron has crisscrossing back straps that provide back support while securing the apron around your waist. Wide back straps prevent the apron from slipping around your shoulder and back area.



PEDIATRIC HALF APRON



MODEL	AP-HA-CH
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	Custom
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

The half apron can provide extra radiation protection. Selling it separate also allows you to mix and match a smaller bottom half with a larger top piece or vice versa.



PEDIATRIC DENTAL APRON



MODEL	AP-DA-CH
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50, 0.35, 0.25mm (standard) LE
CLOSURE	None
SIZING	Pediatric: 24" W x 23" L
CUSTOMIZATIONS	Embroidery and Logo
SPECIAL	Thyroid Collar (included)
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

Features a non-slip microfiber material that ensures the apron lays in place over the patient. There are no closures. The thyroid collar is included.



PEDIATRIC THYROID COLLAR



MODEL	AP-TCP
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	Infant: 10" (Ages 2-4) Pediatric: 12" (Ages 5-10)
CUSTOMIZATIONS	Embroidery and Logo
ATTACHMENTS	Loose, Clip, Keyring, Tethered
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

Available in either the standard or original style thyroid collars, our Pediatric Thyroid collar is designed to protect children ages 2 to 10 from harmful x-ray.



PEDIATRIC GONAD SHIELD SET



MODEL	AP-GONADSET2
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	1 Pediatric: 3.75" x 3.75" 1 Child: 5" x 4" 1 Small: 5.75" x 4.5"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

This unique pediatric gonad/ovarian shield belt system comes complete with three interchangeable sizes which provide coverage from x-ray for a variety of needs. The adjustable buckle also allows the user to fit almost any waist size. The gonad/ovarian belt system comes as a set of 3 sizes, or can be purchased individually.



PEDIATRIC SCOLIOSIS STOLE



MODEL	AP-STOLE-CH
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Buckle
SIZING	Pediatric: 15" x 4.75"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

The scoliosis stole is primarily used for spinal imaging. The shield features velcro panels and an adjustable belt for proper positioning. The neck area does not contain lead, allowing complete visibility of the spine during x-ray, while offering protection to the breast area. This shield is great for scoliosis studies.



TUGGA BABY



MODEL	RE-BABY
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	42g
FRAME SIZE	46-18
MATERIAL	N/A
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Shiny Pink, Shiny Blue, Shiny Green

Protech's Tugga Baby pediatric glasses provide essential protection during medical fluoroscopy and feature a universal fit with its adjustable headband.



APRON STORAGE

EXTEND THE LIFE OF YOUR APRON

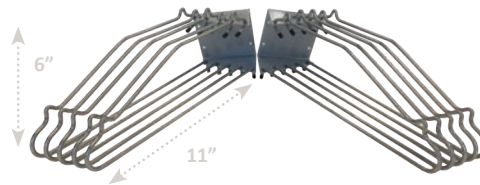
When not in use, garments should be placed on a hanger or stored using Protech's apron storage equipment. Avoid contact with hot surfaces or exposure to direct sunlight. Also avoid contact with sharp objects, as these may damage the garment's protective core material. For transportation, garments should be carefully rolled up, not folded, and placed into a box or Protech duffle bag.

WALL RACK

MODEL: [AS-WALL-L/R]

CAPACITY: 5 APRONS PER CONSOLE

Prolong the life of your radiation protective garment with our apron wall rack console. Each console holds up to 5 protective aprons with the combined left and right consoles storing up to 10 aprons. The wall console features hooks on the top of the hangers for lead skirts. *Does not include mounting hardware.

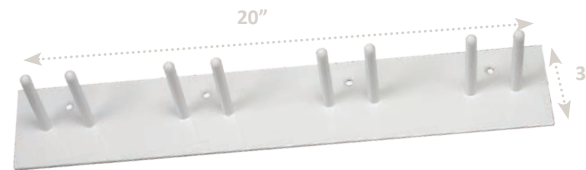


PEG RACK

MODEL: [AS-PEG]

CAPACITY: 1-9 APRONS

The apron Peg rack is made of steel construction and easily screws into wall studs. It can store up to 9 aprons but comes in a variety of sizes that accommodate the storage of 1, 2, 4, 7, or 9 lead aprons. This affordable wall storage for aprons is essential to prolong the life of your protective aprons. *Mounting hardware is not included.



Model	# of Pegs	# of Aprons	Dimensions
PEG-2	2	1	5x3"
PEG-4	4	2	10x3"
PEG-8	8	4	20x3"
PEG-14	14	7	35x3"
PEG-18	18	9	45x3"

PORTA RACK

MODEL: [AS-PORTRK]

CAPACITY: 8 APRONS

Ideal for use in the O.R., Specials, and Cath Labs, this portable apron storage unit is great quality and affordable. The 24" wheel base with double casters allows this completely loaded rack to glide smoothly while being moved. The porta rack features moving hanger arms that swing forward and backwards for easy apron selection.



MIGHTY MAX RACK

MODEL: [AS-MAX-MOB]

CAPACITY: 10 APRONS

The Mighty-Max mobile apron rack's solid steel design holds up to 10 aprons. The pedestal base has rolling wheels for easy portability. Convenience hooks on each hanger can hold lead skirts.



APRON HANGER

MODEL: [AS-HANGER]

CAPACITY: 40LBS

Constructed out of aluminum for durability and longevity this apron hanger is used for the storage of radiation protection aprons. It features hook style ends that are designed to hold lead skirts.



VALET RACK

MODEL: [AS-VALET/VALET-VS]

CAPACITY: UP TO 15 APRONS/10 APRONS(VS)

Industrial quality steel construction and easy roll casters make these mobile apron racks an excellent portable storage option. The rack provides storage capacity for up to 15 aprons! *Includes 4 screws for quick assembly



APRON DUFFLE BAG

MODEL: [AS-DUFFLE]

CAPACITY: UP TO 2 APRONS

Our duffle bag protects your aprons while traveling between facilities or out of the country. Protect and store your aprons for transport now with our affordable, high quality duffle bag. Features: 10" Velcro Opening, Carrying Handle & Shoulder Strap. For all color options, refer to pages 58-61.



APRON MEASUREMENTS & SIZING

CHEST MEASUREMENT



Measure around the largest circumference of the bust area, keeping the tape parallel to the floor with the client's arms at their sides.

WAIST MEASUREMENT



Measure around the smallest circumference of the torso. If you measure at waist level it may be inaccurate.

HIP MEASUREMENT



Measure around the largest circumference of the hips and buttocks with the tape parallel to the floor: generally 8-9 inches down from the waist.

FRONT APRON LENGTH MEASUREMENT



Measure from the top of the shoulder over the bust to the desired length. Do not contour the tape measure in under the bust.

VEST LENGTH MEASUREMENT



Measure from the top of the shoulder over the bust to the desired length. Do not contour the tape measure under the bust.

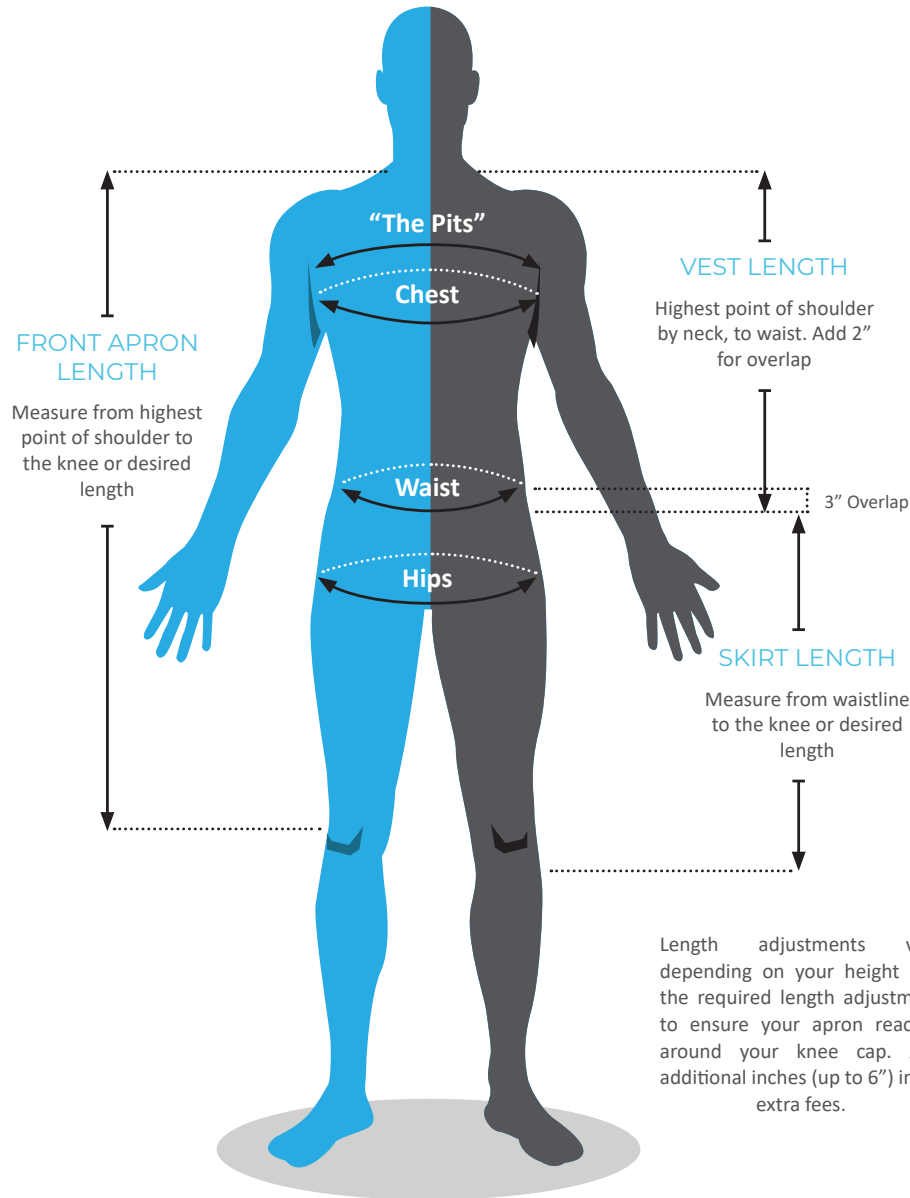
SKIRT LENGTH MEASUREMENT



Measure from the top of the pant line (waist) and over the outside of the hip down to the desired length.

ALL FRONTAL & WRAP APRONS

TWO-PIECE VEST & SKIRT APRONS



MEN WOMEN KIDS*

	XS	Small	Med	Large	XL	2X	3X
Height	5'2"	5'4"	5'8"	5'11"	6'2"+		
Chest	39"	42"	45"	48"	53"	57"	60"
Waist	32	34	38	42	46	50	54
Hips	34	36	40	44	48	52	56
Front Length	34	34	37	40.5	42.5	42.5	45.5
Front Width	19	21	22	24	26	28	30
Vest Length	22	22	24	25	25	25	28
Skirt Length	20	20	20	21	21	22	22
WABR Length	36	36	38	40.5	42.5	42.5	45.5

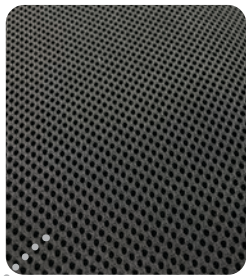
	XS	Small	Med	Large	XL	2X	3X
Height	5'1"	5'2"	5'5"	5'8"	5'10"	5'11"	
Chest	36"	38"	40"	43"	46"	49"	52"
Waist	25	27	29	32	35	40	44
Hips	35	37	39	42	46	48	52
Front Length	33	34	36	38.5	40.5	42.5	42.5
Front Width	18	19	20	21	23	24	26
Vest Length	19	22	22	22	22	23	23
Skirt Length	20	20	22	22.5	22.5	22.5	24
WABR Length	33	34	37	40.5	42.5	42.5	44.5

	Small	Medium	Large
Dimensions	12 x 24"	14 x 26"	16 x 28"
Ages	Ages 1-3	Ages 4-6	Ages 7-10

*Velcro Adjustable & Tie Aprons

FABRIC COLORS

COOLGUARD PERFORMANCE FABRICS*



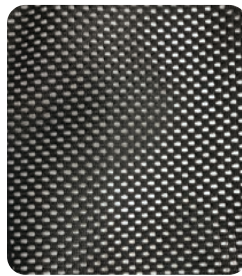
Coolguard Air
#900

Enables natural air ventilation with air-flow technology. Interior only. (Shown on thyroid collar interior)



Coolguard Spandex
#915

Sweat wicking, breathable microfiber with quick dry technology.



Coolguard Mesh
#910

Increases air flow on back closure of apron. For frontal apron back closures only.

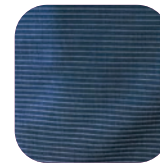


Anti-slip fabric
#950

A high-quality, textured fabric placed on the inside of your apron to prevent slippage.



*Upcharge applies



Navy Pinstripe
#930

Anti-bacterial, anti-microbial, and anti-odor. Our lightest-weight fabric!



Indigo
#925

A soft, PVC nylon that is fluid-proof, stain resistant, bacteria & fungus resistant. Our lightest-weight fabric!



"Black Silk"
#920

Ultra-soft & breathable polyester that is fluid proof & stain resistant.

SATINGUARD ANTI-MICROBIALS*

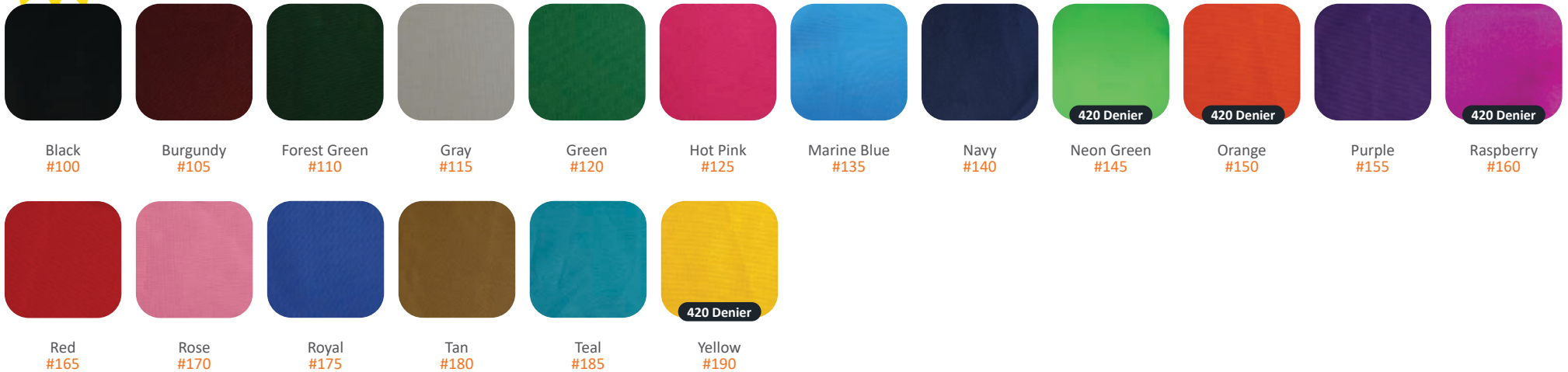


Featuring stain resistant and anti-microbial technology only available from Protech Medical. Our poly material will resist a wide variety of bacteria for several years.



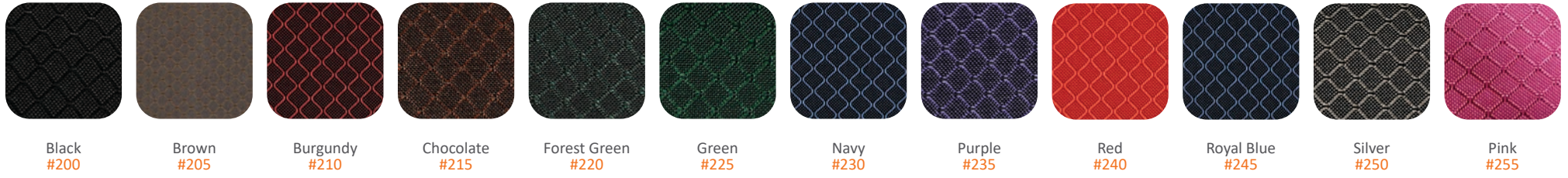
NYLON AND BINDING

Nylons are used for binding. When choosing a binding color for your apron, refer to the nylon swatches below. Unless specified otherwise, nylons come standard 210 denier.



*Upcharge applies

RIPSTOP



PRINTS



PRINTS



Leopard Print #560



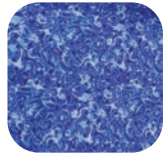
Lu Lu Grape #565



Mamba - Blue #575



Mamba - Pink #580



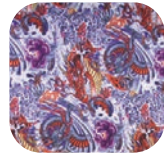
Marble Splash #585



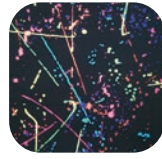
Mardi Gras #590



Mystery - Multi #595



Painted Dragon #600



Paint Splash #605



Paw Prints #610



Plaid - Blue #615



Plaid - Green #620



Plaid - Light Pink #625



Plaid - Purple #630



Plaid - Tan #635



Plaid - Teal #640



Purple Neon Tie-Dye #645



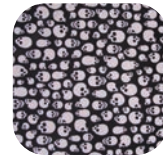
Rainbow #650



Red Dalmation #655



Sheep #665



Skulls - Gray #670



Skulls - Red #675



Snake Skin #680



Star Gazer #685



Stars #690



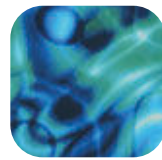
Steel #695



Sunrise #700



Surf Wax #705



Teal Splash #710



Tiger #715



Zebra #720

WIPE-AWAY VINYLS*



Black #300



Silver #320



Burgundy Starlight #305

*Upcharge applies

02

Protech Medical is one of the largest US based leaded eyewear manufacturers in the world. Our expert opticians handcraft each lens, hand stone, and insert those lenses into your frame. Each frame is meticulously assembled and inspected with care.

At Protech the difference is our expert craftsmanship and the highest quality ingredients.



EYEWEAR

QUALITY. SERVICE. INTEGRITY.

Protech Medical manufactures a wide range of premium leaded eyewear including: glasses, goggles, fitovers, faceshields, and prescription eyewear.

Our dedication to manufacturing in the U.S. and commitment to sourcing the highest quality materials has made us the number one eyewear manufacturer in the world.

FRAME SIZING	pages 68-69
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FRAME SPEC SHEET	pages 102-103

WHO USES PROTECTIVE GLASSES?

Your eyes are **4 times more sensitive to radiation than other parts of your body.** Not too long ago, few doctors used leaded eyewear. With the increase in occurrences of early onset cataracts, lead glasses are now a staple in fluoroscopic procedures. Protective leaded eyewear is used by roughly **95% of physicians** and staff in the following vocations:



CARDIAC CATH



EP LABS



UROLOGY



INTERVENTIONAL
RADIOLOGY



PAIN
MANAGEMENT



ORTHOPEDIC
SURGERY

PROTECTION SUMMARY

Lead Equivalence - 0.50 or 0.75mm Pb X-ray Tube Voltage - 60 kV – 150 kV
IEC 61331-3:2014 Regulation (EU) 2016/425 Module B EU Type Examination



OUR EYEWEAR BRANDS

Ray-Ban

OAKLEY



RUDY PROJECT

WILEY X

ABACO
POLARIZED

"The typical interventional cardiologist gets exposed to 20 to 30 mSv each year. This level of exposure is nearly **10 times greater** than the level of exposure received by the entire body."

-- *US National Library of Medicine*

FRAME SIZING

THE BREAKDOWN

Example frame size: Centrist (55-17-140)*

In the above frame size, the 55 corresponds to "A" (Lens size), the 17 represents "B" (Bridge Size), and 140 is the length of "C" (Temple size). *"B" Size not specified. NOTE: Not all frame sizes are representative of how a frame will fit. It is always best practice to try a frame on when possible. For instance, the Nike Brazen is a "large frame" based on its frame size, yet it fits a majority of men and women's faces.

A

EYE SIZE

Horizontally measured from outermost edges of the lens. Approx 40-62mm.

B

BRIDGE SIZE

Measurement of the distance between two lenses. Approx 14-24mm.

C

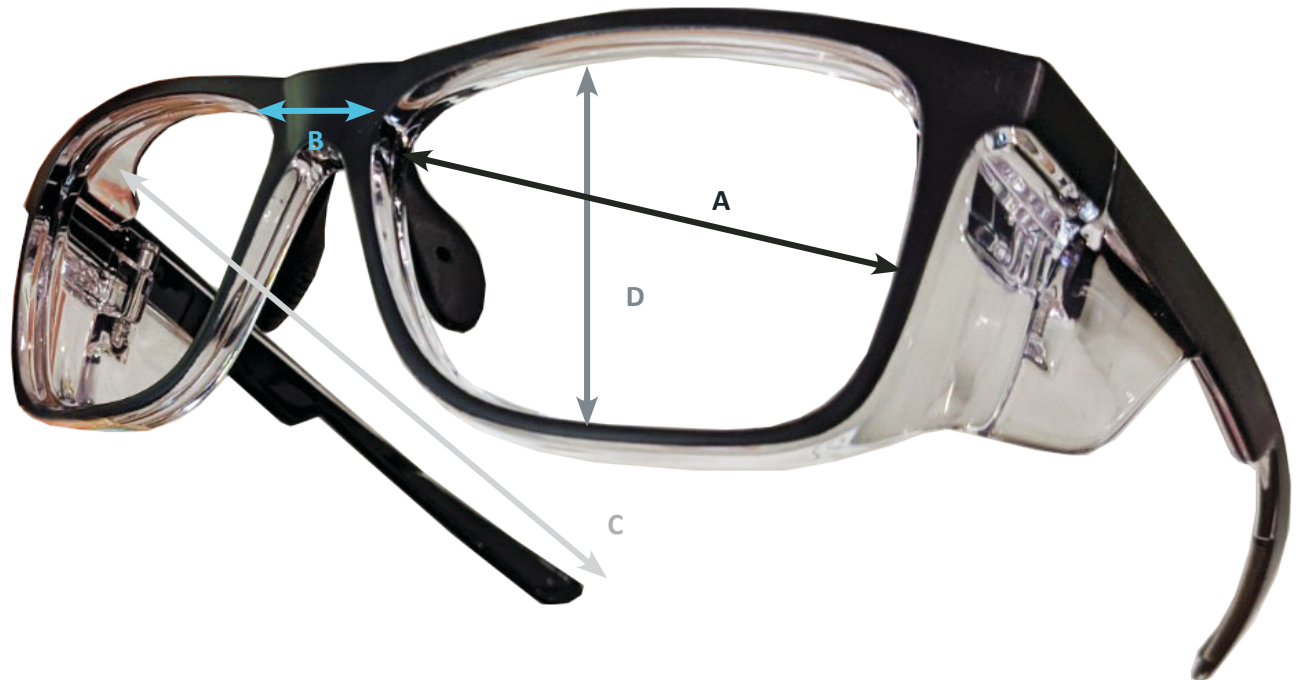
TEMPLE SIZE

Measurement of the arm or ear piece. The length of your frame's temples is important to ensure stability and comfort.

D

"B" MEASUREMENT

Measurement of the height of the lenses. *For Bifocal and Progressive lenses, a B measurement of at least 25mm is recommended



YOUR PERFECT FRAME

WHAT TO LOOK FOR

TEMPLES

The length and curvature of your frame's temples is important to ensure stability and comfort.

TEMPLE GRIPS

Available with several eyewear styles, temple grips can provide comfort and stability for the wearer.

LEAD GLASS

Lead glass lenses provide standard 0.75mm Pb Equivalent protection.

NOSE BRIDGE

A well-designed nose bridge is necessary for a proper fit. Flat nose bridges enable drilling for the addition of loupes.

VENTILATED NOSE PADS

Ventilated nose pads keep the frame comfortably gripped on your face and can reduce fogging.



98 SUPERLITE



MODEL	RE-98
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	63-15-120
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Brown

The 98 Superlite is an ultra light-weight frame designed for comfort. Its high curvature provides enhanced lateral/side protection against x-ray. Rubberized temples provide a secure, comfortable fit.

- Features:**
- Rubberized nose pads and temple
 - Lightweight Nylon Frame
 - Highly curved lenses for optimal x-ray protection



99 ULTRALITE



MODEL	RE-99/99SM/99R
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	67g 59.5g (SM)
FRAME SIZE	64-18-140 56-18-140 (SM)
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64 58 (SM)
CE	Yes
COLORS	Brown (gold), Black, Blue, Silver, Fuschia

The 99 Ultralites provide a wide area of protection against x-ray. Their high curvature provide adequate lateral protection which eliminates the need for side shields. The 99 comes in 2 sizes and an optional soft rubber nose bridge for additional support and comfort (99R). (Blue only available in regular size; Fuschia available only in small size).

- Features:**
- Rubberized temples for added comfort
 - Optional rubberized nosebridge (99R)
 - Wide field of view



9941 ULTRALITE



MODEL	RE-9941/9941A/994153
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	64g 60g (994153)
FRAME SIZE	55-22-130 53-22-130 (994153)
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips (optional for regular size)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64 58 (994153)
CE	Yes
COLORS	Silver, Black, Red, Blue

The 9941 Ultralites come standard with a rubberized nose bridge. They are designed to offer comfort and provide protection for the entire eye area without the need of additional lead side shields. The 9941 is a popular frame and ideal for those who have a high power prescription. Available in 2 sizes and optional adjustable nose bridge for regular sized frame (9941A).

Features:

- Adjustable nose pads
- Rubberized temples for added comfort
- Ideal for high prescriptions



AIRBORNE



MODEL	RE-AIRB
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	74.7g
FRAME SIZE	57-21-145
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	62
CE	Yes
COLORS	Clear/Black

The Airborne is fully loaded with an Asian fit nose bridge, removable facial cavity, and curved lenses for optimal lateral x-ray protection.

Features:

- Removable facial cavity foam insert
- Rubberized Asian Fit Nose Bridge
- Highly curved lenses for optimal x-ray protection



CENTRIST



MODEL	RE-CENT
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	88g
FRAME SIZE	55-17-140
MATERIAL	Nylon
SIDE SHIELDS	0.50mm (standard) & optional extended side shield
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	62
CE	Yes
COLORS	Black Crystal

The Centrist is a rectangular style safety frame made from high quality nylon and has permanent extended side shields for added x-ray protection. The sleek black with clear insert frame has an adjustable nosepiece that provides comfort and a secure fit.

- Features:**
- **Rubberized & adjustable Asian Fit Nose Bridge**
 - **Extended Side Shields**



CIRCUIT



MODEL	RE-CIRC
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	79g
FRAME SIZE	60-18-135
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips (optional)
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Silver/Black, Red/Gray, Black/Gray

The Circuit frame features wrap-around lenses which maximize lateral protection without the use of side shields. Rubberized temples and nose pads provide excellent comfort and grip. The Circuits modern style combined with its optimized functionality ensure long lasting quality and protection.

- Features:**
- **Rubberized temples for grip and comfort**
 - **Versatile fit for all face types**
 - **Wide field of view**



MAKO



MODEL	RE-MAKO
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	69.3g
FRAME SIZE	65-15-130
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Gray/Green

The Mako frame has highly curved lenses which maximize radiation protection coverage. Integrated side shields equipped with lead strip side shields provide essential lateral x-ray protection.

Features:

- Rubberized nose pads and temples for grip and comfort
- Highly curved frame for optimal x-ray protection
- Integrated lateral side shields



MALIBU



MODEL	RE-MALIB
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	68.1g
FRAME SIZE	54-20-155
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Matte Blue, Matte Black, Matte Brown, Shiny Black

The Malibu frame modernizes the classic wayfarer design and is offered in several tasteful color selections.

Features:

- Affordable and fashion forward



ONYX



MODEL	RE-ONYX
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	71.8g
FRAME SIZE	68-19-135
MATERIAL	Polycarbonate
SIDE SHIELDS	None
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black, Shiny White

Deep stylistic curves and lenses combine style with lateral x-ray radiation protection. The Onyx frame features a ventilated nose bridge providing grip, reduced fogging, and comfort.

- Features:**
- **Highly curved lenses for optimal x-ray protection**
 - **Rubberized, ventilated nose bridge**



RAZER



MODEL	RE-RAZER
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	62.5g
FRAME SIZE	58-17-135
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb attached side shield included
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	59
CE	Yes
COLORS	Matte Green, Matte Black, Matte Gray, Matte Blue, Matte Red

The Razer's blends a sleek design into a lightweight and durable frame. Its premium features such as a ventilated nose bridge, rubberized temples, and wide-angle lenses maximize comfort and protection from x-ray. The modern style and use of light-weight materials make the Razer an excellent choice for long-procedures.

- Features:**
- **Ventilated, rubberized nose bridge**
 - **Rubberized Temples for grip and comfort**
 - **Removable 0.50mm LE side shield inserts**
 - **Lightweight frame**



53 WRAP



MODEL	RE-53/53A
FRAME TYPE	Classic
FRONT LENS	0.75mm Pb Glass
WEIGHT	84g
FRAME SIZE	58-16-135
MATERIAL	0.50mm or 0.75mm Pb Glass
SIDE SHIELDS	Single Vision, Bifocal, Progressive
RX OPTIONS	+8.00 to -9.00
MIN PRG PD	62
CE	Yes
COLORS	Black, Tortoise

The 53 wrap is constructed of durable nylon that exhibits superior flexibility while minimizing potential breakage. Its full saddle bridge provides maximum comfort and evenly distributes weight over the nose. *Available with adjustable nose pads (Model 53A - Tortoise color only)

- Features:**
- **Optional adjustable nose pads (53A)**
 - **Spring Hinge Temples**
 - **Built-in, glass side shields**



MODERN METAL



MODEL	RE-002
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	73g
FRAME SIZE	48-20-135
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Gold, Light Gunmetal

The model 002 features a thin wire frame with contoured side shields. The ultra light-weight model 002 comes standard with 0.50mm LE side shields for maximum lateral coverage. Non-slip, silicone nose pads offer easy adjustability and allow the frame to fit a wide variety of face types.

- Features:**
- **0.50mm LE side shields included**
 - **Adjustable silicone nose pads**
 - **Versatile fit for all face types**



METAL AVIATOR



MODEL	RE-003
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	82g
FRAME SIZE	54-17-150
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64
CE	Yes
COLORS	Gold

The Aviator frame is a bold edition to our leaded eyewear lineup. These frames have style and come standard with 0.50mm LE side shields for maximum lateral coverage. Non-slip, silicone nose pads offer easy adjustability and allow the frame to fit a wide variety of face types.

- Features:**
- 0.50mm LE side shields included
 - Adjustable silicone nose pads
 - Versatile fit for all face types



PETITE METAL



MODEL	RE-007
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	52-22-150
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Gold, Light Gunmetal

The model 007 is a classic style made of optical steel with bronze electroplate. This durable frame comes standard with 0.50mm LE side shields for maximum lateral coverage. Non-slip, silicone nose pads offer easy adjustability and allow the frame to fit a wide variety of face types.

- Features:**
- 0.50mm LE side shields included
 - Adjustable silicone nose pads
 - Versatile fit for all face types



CLASSIC METAL

Rx

CE

MODEL	RE-008
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	64g
FRAME SIZE	54-19-140
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Gold, Nano blue

Available in a beautiful light-blue color, this retro style frame is an aesthetically pleasing option for metal wire frames. The classic metal frame come standard with 0.50mm LE side shields for maximum lateral coverage. Non-slip, silicone nose pads offer easy adjustability and allow the frame to fit a wide variety of face types.

Features:

- **0.50mm LE side shields included**
- **Adjustable silicone nose pads**
- **Versatile fit for all face types**



553S METALITE

Rx

CE

MODEL	RE-553S
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	62g
FRAME SIZE	50-18-140
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Silver

The model 553 is a metal frame featuring custom fitted 0.50mm lead strip side shields that create a seal to the front lenses for complete lateral coverage. Its silver color and retro style offer a classic look while non-slip, silicone nose pads provide easy adjustability and allow the frame to fit a wide variety of face types.

Features:

- **0.50mm LE side shields included**
- **Adjustable silicone nose pads**
- **Versatile fit for all face types**



557S METALITE



MODEL	RE-557S
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	48-20-135
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Gold

The model 557 is a metal frame featuring custom fitted 0.50mm lead strip side shields that create a seal to the front lenses for complete lateral coverage. Its gold color and retro style offer a classic look while non-slip, silicone nose pads provide easy adjustability and allow the frame to fit a wide variety of face types.

- Features:**
- 0.50mm LE side shields included
 - Adjustable silicone nose pads
 - Versatile fit for all face types



661/662S METALITE



MODEL	RE-661/662S
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	54g 70g (662S)
FRAME SIZE	52-18-144 52-18-145 (662S)
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	62
CE	Yes
COLORS	Gold

The model 662 is a metal frame featuring custom fitted 0.50mm lead strip side shields that create a seal to the front lenses for complete lateral coverage. Its gold color and modern shape provide a refreshed look while non-slip, silicone nose pads provide easy adjustability and allow the frame to fit a wide variety of face types.

- Features:**
- 0.50mm LE side shields included
 - Adjustable silicone nose pads
 - Versatile fit for all face types



42 FITOVER



MODEL	RE-42BLK
FRAME TYPE	Fitovers
FRONT LENS	0.75mm Pb Glass
WEIGHT	92g
FRAME SIZE	63-14-135
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Black

The 42 fitover is made to wear over prescription eyewear that are wider or more rectangular in shape. It features a smaller vertical dimension than other fitover styles as well as 0.5mm Pb lead sheeting for side shields, thus decreasing the overall weight by approx. 20%.

Features:

- **Lightweight, smaller profile fitover for about 20% weight reduction**
- **Best for wider/rectangular prescription eyewear**



90 FITOVER



MODEL	RE-90
FRAME TYPE	Fitovers
FRONT LENS	0.75mm Pb Glass
WEIGHT	112g
FRAME SIZE	66-14-120
MATERIAL	Nylon
SIDE SHIELDS	0.50mm (standard) or 0.75mm Pb Glass
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black

Designed to fit over prescription eyewear, model 90 fitovers are an excellent choice for those requiring protection against x-ray and liquid splashes. The large, clear side shields protect the user from lateral exposure while eliminating the “tunnel” effects of look-alikes.

Features:

- **Wide angle field of view**
- **Large glass side shields help eliminate “tunnel effect”**



FITGUARD ALPHA



MODEL	RE-FGUARDA
FRAME TYPE	Fitovers
FRONT LENS	0.75mm Pb Glass
WEIGHT	91g
FRAME SIZE	69-17-145
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black

The Fitguard fitover is a versatile, high quality nylon frame. Featuring Flexfit technology, the fitover's temples can be easily adjusted for a secure, comfortable fit. The XL model is ideal for fitting over wide prescription eyewear while still providing a secure and comfortable fit. With the most balanced weight distribution, the XL is our most popular fitover model. Blacked out side shields provide a streamlined look as well as 0.50mm lead equivalent protection.

- Features:**
- Adjustable temples
 - Highly durable frame
 - Ideal for wide prescription eyewear



FITGUARD BETA



MODEL	RE-FGUARDB
FRAME TYPE	Fitovers
FRONT LENS	0.75mm Pb Glass
WEIGHT	108g
FRAME SIZE	64-18-150
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black

The Fitguard fitover is a versatile, high quality nylon frame. Featuring Flexfit technology, the fitover's temples can be benched (adjusted) easily for a secure, comfortable fit. The Beta size is ideal for fitting over standard sized prescription eyewear with square or rounded lenses. Blacked out side shields provide a streamlined look as well as 0.50mm lead equivalent protection.

- Features:**
- Adjustable temples
 - Highly durable frame
 - Ideal for fitting over eyewear with square or rounded lenses



FULL FACE SHIELD



MODEL	450FPM
FRAME TYPE	Face Shields
FRONT LENS	0.10mm Pb Acrylic
WEIGHT	450g
FRAME SIZE	Adjustable 20" - 25" circumference
MATERIAL	N/A
SIDE SHIELDS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Black/Clear

The Full Face Shield uses a lead impregnated protective acrylic shield suspended from a dual adjustable headpiece. The Full face shield provides maximum x-ray protection due to its larger lead impregnated shield. Because of the multi-adjustable headpiece, you can angle the mask to protect from radiation in many different positions as well as adjust the size to comfortably fit your head. *Mask should be worn with leaded eyewear protection.



PANORAMIC FACE SHIELD



MODEL	400PSM
FRAME TYPE	Face Shields
FRONT LENS	0.10mm Pb Acrylic
WEIGHT	350g
FRAME SIZE	Adjustable 20" - 25" circumference
MATERIAL	N/A
SIDE SHIELDS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Black/Clear

The Panoramic Face Shield utilizes a lead impregnated acrylic shield suspended from a dual adjustable headpiece. This lead face shield provides additional x-ray protection around the sides of the head while sacrificing some front protection. Because of the multi-adjustable headpiece, you can angle the mask to protect from radiation in many different positions as well as adjust the size to comfortably fit your head. *Mask should be worn with leaded eyewear protection.



70 ASTROFLEX



MODEL	RE-70S
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	88g
FRAME SIZE	54-19-Adjustable
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips
MIN PRG PD	Single Vision, Bifocal, Progressive
CE	62
COLORS	Yes
	Clear/Blue

Impact resistance and flexibility come together in this high quality goggle. The frame features molded side shielding and is fitted to the brow for increased splash protection. The temple length and frame angle are adjustable for a uniform custom fit. Model 70S comes with leaded side shields for necessary lateral x-ray coverage.

- Features:**
- Adjustable temples
 - Wide field of view



COMET



MODEL	RE-COMET
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	78.3g
FRAME SIZE	59-19-114
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips, Extended side shields (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64
CE	Yes
COLORS	Blue, Gray/Orange, Pink

A sleek and versatile relative to the Proguard LeadR's frame, the Comet provides excellent coverage against x-ray. Its unique side shield configuration allows for lead shielding to be placed on the frame exterior and wrap around the entire lens area, providing a complete seal from scatter radiation.

- Features:**
- Rubberized nose-fit bridge and temples for grip and comfort
 - Foam top bar for added comfort
 - Extended side shields
 - Wide field of view



COMET ECONOMY



MODEL	RE-COM
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	65g
FRAME SIZE	50-19-117
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips, Extended side shields (optional)
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Orange/Black, Yellow/Black, Black

The Comet Economy is an affordable option providing excellent coverage against x-ray. The side shield configuration allows for lead shielding to be placed on the frame exterior and wrap around the entire lens area, providing a complete seal from scatter radiation.

Features:

- Rubberized nose-fit bridge and temples for grip and comfort
- Foam top bar for added comfort
- Extended side shields
- Wide field of view



LEAD'R



MODEL	RE-OG220
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	76.7g
FRAME SIZE	58-15-135
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb (included) plus optional extended side shield
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	66
CE	Yes
COLORS	Black, Gray/Pink, Green/Yellow, White/Purple

The LeadR's feature a soft, ventilated nose bridge with rubberized temples for premium comfort. Each LeadR's frame comes with the added protection of 0.50mm leaded side shields and the ability to extend that side protection into an additional panel.

Features:

- Wide field of view
- Rubberized, ventilated nose bridge
- Rubberized, curved temples
- Foam top bar for added comfort
- Extended side shields



X-GUARD



MODEL	RE-XGUARD
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	81.8g
FRAME SIZE	58-18-135
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	62
CE	Yes
COLORS	Black/Woodgrain, Matte Black

Tired of the basic goggle selections for radiation protection? So are we! The X Guard goggle features a premium, clear insert, lead strip side shields for lateral coverage (shown in black model below), and tasteful color options.

- Features:**
- Wide field of view
 - Removable side shield insert



ABACO DOCKSIDE



MODEL	RE-AB-DOCK
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	72g
FRAME SIZE	58-19-135
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Black, Crystal Clear

Dockside glasses have a bold square style in an impact-resistant polycarbonate frame featuring premium metal hinges. These fashion forward frames are both durable and lightweight.

- Features:**
- Lightweight frame
 - Versatile fit for all face types (unisex)



ABACO JESSE

Rx

CE

MODEL	RE-AB-JES
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	68g
FRAME SIZE	56-18-142
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Matte Black

These unisex, universally flattering eyewear are made of soft, lightweight polycarbonate. They feature characteristic rivets at the temples and extremely flexible spring hinges for a snug, comfortable fit.

Features:

- **Lightweight frame**
- **Versatile fit for all face types (unisex)**



ABACO KAI

Rx

CE

MODEL	RE-AB-KAI
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	65g
FRAME SIZE	56-18-135
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Crystal Clear, Matte Black

Made of shatter-resistant, lightweight polycarbonate, the frames feature premium metal hinges and are molded around the ears to provide a comfortable fit. These unisex sunglasses complement a variety of facial shapes, and they fit virtually all faces from small to large.

Features:

- **Lightweight frame**
- **Versatile fit for all face types (unisex)**



ABACO TIKI



MODEL	RE-AB-TIKI
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	70g
FRAME SIZE	54-21-140
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Dark Wood

This classic style frame is made of a wood inspired, strong and lightweight polycarbonate. They feature characteristic rivets at the temples, standard hinges, and they are molded around the ears for added comfort. These unisex, universally flattering eyewear fit all faces from small to large.

- Features:**
- **Lightweight frame**
 - **Versatile fit for all face types (unisex)**



ABACO WAIKIKI



MODEL	RE-AB-WAI
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	68g
FRAME SIZE	54-21-140
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Tortoise, Gloss Black

This revived version of an iconic classic features a lightweight polycarbonate frame to provide durability and a comfortable fit. These sunglasses feature characteristic rivet details on the front, premium metal hinges, and they are molded around the ears for added comfort. These eyewear look good on virtually everyone.

- Features:**
- **Lightweight frame**
 - **Versatile fit for all face types (unisex)**



NIKE BRAZEN



MODEL	N-BR
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	75g
FRAME SIZE	60-16-140
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64
CE	Yes
COLORS	Matte Black with Blue, Shiny Black

The Nike Brazen features an advanced ventilated nose bridge for grip, comfort, and reduced fogging. Its lightweight nylon design combines streamlined style and enhanced comfort. The premium Nike Brazen frame offers versatility with its superior coverage and protection.

Features:

- Rubberized, ventilated nose bridge
- Lightweight frame
- Superior coverage for optimal x-ray protection



NIKE MAVERICK



MODEL	N-MAV
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	70.3g
FRAME SIZE	59-15-145
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64
CE	No
COLORS	Matte Black

Utilizing Nike's unique nose bridge design, the Maverick frame reduces fogging and maximizes comfort during long fluoroscopic procedures.

Features:

- Unique nose bridge design for fog reduction
- Lightweight frame



NIKE PREMIER

Rx

MODEL	N-PRMR
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	67.8g
FRAME SIZE	60-13-135
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64
CE	No
COLORS	Matte Tortoise, Matte Anthracite, Matte Black

The Nike Premier is reborn with a diverse selection of colors and tasteful design elements. The Premier's large rectangular lenses provide adequate x-ray protection and coverage.

Features:

- Large, rectangular lenses
- Lightweight frame



NIKE RABID

CE

MODEL	N-RABID
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	63-14-145
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black/White

The Rabid is a high-curvature sports frame providing superior wraparound coverage and protection. Its lightweight nylon design and wide lenses provides clarity at all angles during any procedure. Secure Wrap Technology features grip zones throughout the frame for a better overall fit, comfort, and stability.

Features:

- High curvature frame for wraparound coverage and optimal x-ray protection
- Lightweight frame
- Superior grip for stability and comfort



OAKLEY CROSSLINK ZERO

Rx

CE

MODEL	OA-CROSS
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	61.6g
FRAME SIZE	58-16-138
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	+8.00 to -9.00
CE	56
COLORS	Yes
	Matte Black, Polished Gray Shadow

The Crosslink Zero has fixed temples with a three-Point Fit to ensure lenses are aligned for visual correction. Wire cores hidden inside the temples of this lightweight frame offer adjustability for a perfect fit.

Features:

- Rubberized nose pads and ear socks for added comfort
- Lightweight frame



OAKLEY FIVE SQUARED

CE

MODEL	OA-FIVESQ
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	71g
FRAME SIZE	54-20-135
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Polished Black, Gray Smoke

Oakley Five Squared leaded glasses uses Condensed Cranial Geometry for a tapered architecture that feels as good as it looks and it's a look that soaks sophistication in adrenalin. Dimensional reliefs, metal icons and sculpturally integrated hinges take the whole idea of streetsmooth style and amp it with attitude.

Features:

- Lightweight frame



OAKLEY HOLBROOK

Rx

MODEL	OA-HOL
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	66.5g
FRAME SIZE	56-18-135
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	No
COLORS	Polished Clear, Satin Black, Matte Brown Tortoise

The Oakley Holbrook frame combines traditional design with modern style and flare.

Features:

- **Lightweight frame**



OAKLEY LITEBEAM

Rx

MODEL	OA-LITE
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	59.6g
FRAME SIZE	55-18-140
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	No
COLORS	Satin Black

Smooth details and streamlined design provide a timeless look with the Oakley Litebeam. Composed of lightweight materials, the Litebeam features adjustable temples and comes with several nosebridge sizes to ensure maximum comfort.

Features:

- **Lightweight frame**
- **Adjustable temples for a perfect fit**



OAKLEY STRAIGHTLINK



MODEL	OA-STRGHT
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	77.2g
FRAME SIZE	61-19-130
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black

Unobtainium® earsocks and nose pads increase grip with perspiration for a no slip grip. Three-Point Fit holds lenses in precise optical alignment while eliminating pressure points. O Matter™ stress-resistant frame material is both lightweight and durable for all-day comfort and protection.

Features:

- **Lightweight frame**
- **Optimised weight distribution and alignment**
- **Rubberized ear socks and nose pads for comfort and grip**



OAKLEY TRILLBE X



MODEL	OA-TRILL
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	64g
FRAME SIZE	52-18-140
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Polished Clear, Matte Black

Designed for small to medium faces, this comfortably lightweight addition to the Trillbe™ Collection has a softly rounded front with a sculptured keyhole bridge, and its stem architecture takes vintage style into modern territory.

Features:

- **Lightweight frame**
- **Designed for small to medium faces**



RAY BAN 2016 DADDY-O



MODEL	RB-2016
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	61g
FRAME SIZE	59-17-125
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	65
CE	Yes
COLORS	Matte Black

Go 100% classic Ray-Ban with the laid back, classic style of Daddy-O.

- Features:**
- Lightweight frame
 - Excellent coverage for maximum x-ray protection



RAY BAN 3534



MODEL	RB-3534
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	59-20-135
MATERIAL	Metal
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Gunmetal, Black

Originality and style come together with the 3534. The hardened metal frame is tough and sporty with a classic finish.

- Features:**
- Rubberized ear socks for added comfort and grip
 - Adjustable, silicone nose pads for personalized fit



RAY BAN 4105



MODEL	RB-4105
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	62g
FRAME SIZE	50-23-140
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	65
CE	Yes
COLORS	Matte Black

The Ray-Ban Classic Wayfarer look with a twist: the glasses are foldable. Modeled after Ray-Ban's iconic design, the 4105 was reconstructed into a compact, folding, light weight frame.

- Features:**
- Impact resistant, durable nylon
 - Compact folding style for ease of portability



RAY BAN 4165F JUSTIN



MODEL	RB-4165
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	73g
FRAME SIZE	55-18-145
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	65
CE	Yes
COLORS	Matte Black

Bold, Fun and Unforgettable, the 4165F glasses may just be one of the coolest looks in the Ray-Ban collection. Inspired by the iconic Wayfarer sunglasses, this style has been redesigned with slightly larger rectangle lenses, fresh new frame colors, and a rubberized frame finish to really give it that extra edge.

- Features:**
- Rubberized frame finish for no-slip grip and comfort
 - Durable nylon



Rx

RAY BAN 4181

MODEL	RB-4181
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	71.4g
FRAME SIZE	57-16-145
MATERIAL	Injected Plastic
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	65
CE	No
COLORS	Tortoise

The stylistically distinct Ray Ban model 4181 serves as a unique unisex frame.

- Features:**
- Versatile fit for all face types (unisex)



RAY BAN 7047

MODEL	RB-7047
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	54-17-140
MATERIAL	Injected Plastic
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	No
COLORS	Black, Blue, Brown

A sharper more self assured Ray Ban style, the model 7047 is full of confidence and style. Composed of lightweight materials, the 7047 provides comfortable, long lasting protection against x-ray.

- Features:**
- Wide fit temples for a comfortable fit



WILEY-X AIRRAGE

MODEL	WX-AIRR
FRAME TYPE	Brand - Wiley-X
FRONT LENS	0.75mm Pb Glass
WEIGHT	67.5g
FRAME SIZE	61-18-124
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	No
COLORS	Matte Black

The Wiley X Airrage frame features a facial foam cavity seal and high curved lenses for maximum comfort and protection against x-ray.

Features:

- Facial foam cavity for added comfort
- Highly curved lenses for optimal x-ray protection
- Durable frame



WILEY-X BOSS



MODEL	WX-BOSS
FRAME TYPE	Brand - Wiley-X
FRONT LENS	0.75mm Pb Glass
WEIGHT	84.5g
FRAME SIZE	68-18-125
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Kryptek Highlander, Matte Black

Featuring highly curved lenses, the frame provides excellent coverage against x-ray. A matte black model designed for prescriptions (shown) has an added inserted rim that holds less curved lenses. Featuring a removable facial cavity seal, the Wiley X Brick is excellent for those that need maximum splash protection.

Features:

- Removable facial foam cavity seal for added comfort
- Highly curved lenses for optimal x-ray protection
- Durable frame
- Maximum splash protection



WILEY-X BRICK



MODEL	WX-BRICK
FRAME TYPE	Brand - Wiley-X
FRONT LENS	0.75mm Pb Glass
WEIGHT	74g
FRAME SIZE	63-18-120
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black

The Wiley X Brick is part of a long line of military inspired frames. The highly curved 8 base lenses provide excellent coverage against x-ray while the frame design is sleek and modern. . Featuring a removable facial cavity seal, the Wiley X Brick is excellent for those that need maximum splash protection.

Features:

- Removable facial foam cavity seal for added comfort
- Highly curved lenses for optimal x-ray protection
- Durable frame
- Rubberized, flexible temple arms



Facial Cavity Seal



WILEY-X CONTOUR



MODEL	WX-CON
FRAME TYPE	Brand - Wiley-X
FRONT LENS	0.75mm Pb Glass
WEIGHT	62.3g
FRAME SIZE	54-17-140
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Inserts (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Matte Black, Gloss Black/Brown Stripe

With the move to branded lead glasses, the Wiley X Contour is the whole package. Its retro style and modern color palette deliver on appeal, while optional premium side shield inserts are also available for maximum coverage against x-ray.

Features:

- Removable 0.50mm side shield inserts
- Durable, lightweight frame



WILEY-X P-17



MODEL	WX-P17
FRAME TYPE	Brand - Wiley-X
FRONT LENS	0.75mm Pb Glass
WEIGHT	68g
FRAME SIZE	60-18-125
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Gloss Black, Matte Black, Brown

The Wiley X P-17 is a frame inspired by the military. Its sleek design and lightweight comfort provide unparalleled performance. The Wiley X P-17 is ideal for medium to large facial structures and comes standard with high curvature 0.75mm LE lenses.

- Features:**
- **Ideal for medium to large face types**
 - **Highly curved lenses for optimal x-ray protection**
 - **Durable frame**



PEDIATRIC EYEWEAR

TUGGA BABY



MODEL	RE-BABY
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	42g
FRAME SIZE	46-18
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Shiny Pink, Shiny Blue, Shiny Green

Protech's Tugga Baby pediatric glasses provide essential protection during medical fluoroscopy and feature a universal fit with its adjustable headband.

Features:

- Adjustable headband for universal fit



SPECIAL ORDER

LIBERTY MAXX 30 (53) MODEL: [LBT-MAX30S]

Weight: 60g Frame Size: 53-17-130 Prescription: +3.00 to -5.00
Colors: Black, Blue, Red, Silver



LIBERTY MAXX 30 (55) MODEL: [LBT-MAX30]

Weight: 64g Frame Size: 55-20-130 Prescription: +6.00 to -9.00
Colors: Black, Blue, Red, Silver



LIBERTY MAXX 31 (53) MODEL: [LBT-MAX31S]

Weight: N/A Frame Size: 53-17-130 Prescription: +3.00 to -5.00
Colors: Black, Blue, Silver



LIBERTY MAXX 31 (55) MODEL: [LBT-MAX31]

Weight: N/A Frame Size: 55-20-130 Prescription: +6.00 to -9.00
Colors: Black, Blue, Silver



SPECIAL REQUESTS

If you would like one of your favorite frames converted to leaded eyewear, we can accommodate. Also, Protech is partnered with the largest eyewear brand-owner in the world. This means we have access to numerous name brands such as Coach, Costas, Prada, and more. If there is a particular frame you're looking for, let us know and we will work with you!

EYEWEAR ADDONS



LATERAL SIDE SHIELDS

Many of our frames come with side shields for maximum protection. There are two types of side shields. Depending on the frame, some will accommodate a 0.75mm Pb glass side shield while others allow for a 0.50mm Pb strip.



*Side shield example -
0.75mm Pb Glass*



*Side shield example -
0.50mm Pb strip*

AR COATING

An anti-reflective coating eliminates the reflection produced by light on eyewear lenses. **Once an AR coat has been applied, 99.5% of available light will be able to pass through your lenses (compared to 85%) which enhances visual acuity and reduces eye strain.** During procedures, an anti-reflective coating is particularly important to reduce the reflections and light disturbances caused by operational and lighting equipment.

ACCESSORIES

RE-CASE



RE-CASE-LG-S



RE-CLEAN



RE-CLOTH

RE-STRAP



RE-STRAP2



ITEM CODE DESCRIPTION

ITEM CODE	DESCRIPTION
RE-CASE	Honeycomb Hard Case
RE-CASE-LG-S	Soft Neoprene Case - Large
RE-STRAP	Simple Square Slider Eyewear Strap
RE-STRAP2	Lobster Claw Eyewear Strap
RE-CLEAN	Anti-fog Eyewear Lens Cleaner 1 fl. oz.
RE-CLOTH	Soft Eyewear Cloth Wipe

Frame Status	Model	Size	Base Curve	Weight (g)	Side Shields	CE	Material	Frame Type	Prescription (Rx) Options					Included Accessories
									Single Vision	Bifocal	Progressive	Min. PRO PD	Powers	
Fitovers														
Active	42 Fitover	63-14-135	4	92	Incl	Y	Plastic	Fitover	-	-	-	-	-	OEM: C, ST, CL
Active	90 Fitover	66-14-120	4	112	Incl	Y	Plastic	Fitover	-	-	-	-	-	OEM: C, ST, CL
Active	FitGuard Alpha	69-17-145	4	91	Incl	Y	Plastic	Fitover	-	-	-	-	-	OEM: C, ST, CL
Active	FitGuard Beta	64-18-150	4	108	Incl	Y	Plastic	Fitover	-	-	-	-	-	OEM: C, ST, CL
Goggles														
Active	70s Astroflex	54-19-ADJ	4	88	Incl	Y	Plastic	Goggle	X	X	X	62	8.00 to -9.00	OEM: C, ST, CL
Active	Comet	59-19-114	6	78.3	Incl	Y	Plastic	Goggle	X	X	X	64	8.00 to -9.00	OEM: C, ST, CL
Active	Comet Economy	50-19-117	6	65	Incl	Y	Plastic	Goggle	-	-	-	-	-	OEM: C, ST, CL
Active	LeadR	58-15-135	6	76.7	Incl	Y	Plastic	Goggle	X	X	X	66	8.00 to -9.00	OEM: C, ST, CL
Active	X Guard	58-18-135	4	81.8	Incl	Y	PC	Goggle	X	X	X	62	8.00 to -9.00	OEM: C, ST, CL
Classic														
Active	53 Wrap	58-16-135	4	84	Incl	Y	Plastic	Glasses	X	X	X	62	8.00 to -9.00	OEM: C, ST, CL
Active	Malibu Wayfarer	54-20-155	4	68.1	-	Y	Plastic	Glasses	X	X	X	58	8.00 to -9.00	OEM: C, ST, CL
Inactive	Retro Economy	45-25-140	4	88	-	N	Plastic	Glasses	X	X	X	58	8.00 to -9.00	OEM: C, ST, CL
Classic Metals														
Active	553s Metalite	50-18-140	4 - 6	62	-	Y	Plastic	Glasses	X	X	X	58	8.00 to -9.00	OEM: C, ST, CL
Active	557s Metalite	48-20-135	4 - 6	63	Incl	Y	Metal	Glasses	X	X	X	58	8.00 to -9.00	OEM: C, ST, CL
Active	661 Metalite	52-18-144	4 - 6	54	-	Y	Metal	Glasses	X	X	X	62	8.00 to -9.00	OEM: C, ST, CL
Active	662s Metalite	52-18-145	4 - 6	70	Incl	Y	Metal	Glasses	X	X	X	62	8.00 to -9.00	OEM: C, ST, CL
Active	Classic Metal	54-19-140	4 - 6	64	Add	Y	Metal	Glasses	X	X	X	58	8.00 to -9.00	OEM: C, ST, CL
Active	Metal Aviators	54-17-150	4 - 6	82	Add	Y	Metal	Glasses	X	X	X	64	8.00 to -9.00	OEM: C, ST, CL
Active	Modern Metal	48-20-135	4 - 6	73	Add	Y	Metal	Glasses	X	X	X	58	8.00 to -9.00	OEM: C, ST, CL
Active	Petite Metal	52-22-150	4 - 6	63	Add	Y	Metal	Glasses	X	X	X	58	8.00 to -9.00	OEM: C, ST, CL
Wrap-Around														
Active	98	63-15-120	6 - 8	63	-	Y	Plastic	Glasses	-	-	-	-	-	OEM: C, ST, CL
Active	99 Alumilite	62-17-150	6	70	-	Y	Metal	Glasses	X	X	X	64	8.00 to -9.00	OEM: C, ST, CL
Active	99 Ultralite	64-18-140	6	67	Add	Y	Plastic	Glasses	X	X	X	64	8.00 to -9.00	OEM: C, ST, CL
Active	99 Ultralite Small	56-18-140	6	59.5	-	Y	Plastic	Glasses	X	X	X	58	8.00 to -9.00	OEM: C, ST, CL
Active	99 Ultralite Bridge	64-18-140	6	67	Add	Y	Plastic	Glasses	X	X	X	64	8.00 to -9.00	OEM: C, ST, CL
Active	9941 Ultralite	55-22-130	6 - 4	64	Add	Y	Plastic	Glasses	X	X	X	64	8.00 to -9.00	OEM: C, ST, CL
Active	9941-53 Ultralite SM	53-22-130	6 - 4	60	-	Y	Plastic	Glasses	X	X	X	58	9.00 to -10.00	OEM: C, ST, CL
Active	9941 UL w Nosepad	55-22-130	6 - 4	64	Add	Y	Plastic	Glasses	X	X	X	64	8.00 to -9.00	OEM: C, ST, CL
Active	Airborne	57-21-145	6	74.7	Add	Y	PC	Glasses	X	X	X	62	8.00 to -9.00	OEM: C, ST, CL
Active	Centrist	55-17-140	6	88	Incl	Y	PC	Glasses	X	X	X	62	8.00 to -9.00	OEM: C, ST, CL
Active	Circuit	60-18-135	6	82.1	Add	Y	Nylon	Glasses	-	-	-	-	-	OEM: C, ST, CL
Active	Mako	65-15-130	8	69.3	Incl	Y	PC	Glasses	-	-	-	-	-	OEM: C, ST, CL
Active	Onyx	68-19-135	8	71.7	-	Y	PC	Glasses	-	-	-	-	-	OEM: C, ST, CL
Active	Razer	58-17-135	6	62.5	Incl	Y	PC	Glasses	X	X	X	59	8.00 to -9.00	OEM: C, ST, CL
Inactive	Vader	64-17-125	8	64	Add	Y	Plastic	Glasses	-	-	-	-	-	OEM: C, ST, CL
Kids														
Active	Tugga Baby	46-18	4	42	-	Y	Plastic	Glasses	-	-	-	-	-	OEM: C, ST, CL

Included Accessories:

OEM = OEM accessories are provided by Protech or customer designed accessories.
BR = Branded accessories means some or all of the included accessories are supplied by the brand.

Accessory Types:

C = Case
STR = Straps
CL = Cloth
NB = Nose Bridge

Frame Status	Model	Size	Base Curve	Weight (g)	Side Shields	CE	Material	Frame Type	Prescription (Rx) Options					Included Accessories
									Single Vision	Bifocal	Progressive	Min. PRO PD	Powers	
Abaco Brand														
Active	Dockside	58-19-135	4 - 6	72	-	Y	Plastic	Glasses	X	X	X	60	8.00 to -9.00	
Active	Kai	56-18-135	4 - 6	65	Add	Y	Plastic	Glasses	X	X	X	60	8.00 to -9.00	
Active	Jesse	56-18-142	4 - 6	68	-	Y	Plastic	Glasses	X	X	X	60	8.00 to -9.00	
Active	Tiki	54-21-140	4 - 6	70	Add	Y	Plastic	Glasses	X	X	X	60	8.00 to -9.00	
Active	Waikiki	54-21-140	4 - 6	68	-	Y	Plastic	Glasses	X	X	X	60	8.00 to -9.00	
Nike Brand														
Active	Brazen	60-16-140	6	75	Add	Y	Plastic	Glasses	X	X	X	64	8.00 to -9.00	
Active	Maverick	59-15-145	6	70.3	-	N	Plastic	Glasses	X	X	X	64	8.00 to -9.00	BR: C OEM: ST
Active	Premier	60-13-135	6	67.8	-	N	Plastic	Glasses	X	X	X	64	8.00 to -9.00	OEM: C, ST, CL
Active	Rabid	63-14-145	6 - 8	63	-	Y	Plastic	Glasses	-	-	-	-	-	
Oakley Brand														
Active	Crosslink Mnp (55)	56-16-138	4 - 6	61.6	-	Y	O Matter	Glasses	X	X	X	56	8.00 to -9.00	
Active	Five Squared (54)	54-20-135	8	71	-	Y	O Matter	Glasses	-	-	-	-	-	
Active	Holbrook	56-18-135	4 - 6	66.5	-	N	O Matter	Glasses	X	X	X	60	8.00 to -9.00	
Active	Litebeam	55-18-140	4	59.6	-	N	O Matter	Glasses	X	X	X	60	8.00 to -9.00	
Active	Straightlink (58)	61-19-130	8	77.2	-	Y	O Matter	Glasses	-	-	-	-	-	
Active	Trillbe X (rx)(52)	52-18-140	4 - 6	63.9	-	Y	O Matter	Glasses	X	X	X	58	8.00 to -9.00	
Ray ban Brand														
Active	Daddy-O 2016	59-18-125	6	61	Add	Y	Acetate	Glasses	X	X	X	65	8.00 to -9.00	
Active	3534	59-20-135	6	63	-	Y	Metal	Glasses	-	-	-	-	-	
Active	4105	50-23-140	6	62	-	Y	Nylon	Glasses	X	X	X	65	8.00 to -9.00	
Active	4165F Justin	55-18-145	6	73	-	Y	Nylon	Glasses	X	X	X	65	8.00 to -9.00	
Active	4181	57-16-145	6	71.4	-	N	Nylon	Glasses	X	X	X	65	8.00 to -9.00	
Active	7047	54-17-140	4 - 6	63	-	N	Acetate	Glasses	-	-	-	-	-	
Rudy Project Brand														
Active	Horus	58-19-132	8	76.3	-	Y	Plastic	Glasses	-	-	-	-	-	
Wiley X Brand														
Active	Airrage	61-18-124	8	67.5	-	N	Plastic	Glasses	-	-	-	-	-	BR: C, STR, CL
Active	Boss	68-18-125	8	84.5	-	Y	Plastic	Glasses	-	-	-	-	-	
Active	Brick	63-18-120	8	74	-	Y	Plastic	Glasses	-	-	-	-	-	
Active	Contour	54-17-140	4	62.3	Incl	Y	Plastic	Glasses	X	X	X	60	8.00 to -9.00	
Active	P-17	60-18-125	6 - 8	68	-	Y	Plastic	Glasses	-	-	-	-	-	
Face Shields / Masks														
Active	450FPM	Adjustable	-	450	-	Y	Plastic	Mask	-	-	-	-	-	
Active	400PSM	Adjustable	-	350	-	Y	Plastic	Mask	-	-	-	-	-	

Doc # RE.A3 v10

4/6/2021

Included Accessories:
 OEM = OEM accessories are provided by Protech or customer designed accessories.
 BR = Branded accessories means some or all of the included accessories are supplied by the brand.

Accessory Types:
 C = Case
 STR = Straps
 CL = Cloth
 NB = Nose Bridge

03

A study by the National Center for Biotechnology Information concluded that:

A healthcare worker could receive more than **twice** the annual limit of radiation exposure simply by holding the head of a trauma patient four times per week with unshielded hands during cervical spine radiography.





GLOVES

QUALITY. SERVICE. INTEGRITY.

The Proguard family of products comprises the most technically advanced gloves with a 30 year proven record in quality and comfort. Our comprehensive range of gloves has carefully expanded to meet the growing needs of healthcare professionals. With affordable, high-end selections and different thicknesses to choose from, Proguard is a convenient single source for all your glove needs.

The Proguard glove brand focuses on uniquely balancing tactile sensitivity, protection, and comfort in a way no others can. With a commitment to performance and safety, there is no room for compromise. In addition to our fluoroscopic procedure gloves, we have multiple patient positioning and veterinary style gloves available in various protection options and colors.

PROGUARD RR



MODEL: [RR1 | RR2 | RR3]



Used during procedures requiring high tactile sensitivity, the Proguard RR radiation attenuation gloves are the industry leaders for protection against x-ray. Designed and produced in a modern manufacturing facility, our premium quality gloves are powder free, latex free, and sterile. The Proguard RR glove offers premium comfort and maximum protection at an affordable cost.



COMPOSITION	STERILIZED	LATEX	POWDER	FDA	CE
Lead Oxide	Ethilene Oxide	No	No	PPE	yes
Dry Natural Rubber					

Models	60 kVp	80 kVp	100 kVp	120 kVp	Thickness
RR1	50%	42%	37%	33%	0.24mm ± 0.02mm
RR2	58%	50%	45%	41%	0.28mm ± 0.02mm
RR3	73%	65%	57%	52%	0.38mm ± 0.02mm

Certified to ASTM 2547 and IEC 61331-1:2014 Standards

SIZING INFORMATION

• 6 - RR160	RR260	RR360	• 8 - RR180	RR280	RR380
• 6.5 - RR165	RR265	RR365	• 8.5 - RR185	RR285	RR385
• 7 - RR170	RR270	RR370	• 9 - RR190	RR290	RR390
• 7.5 - RR175	RR275	RR375	• 9.5 - RR195	RR295	RR395



Latex Free/
Hypoallergenic



Premium
Lead



High Tactile
Sensitivity



Slip Coat
Technology



Single Use
Only



PROGUARD RR SLEEVE

MODEL: [RR-SLV1]

COMPOSITION	STERILIZED	LATEX	POWDER	FDA	CE
Lead Oxide Dry Natural Rubber	Ethilene Oxide	No	No	PPE	No

Models	60 kVp	80 kVp	100 kVp	120 kVp	Thickness
RR-SLV1	59%	51%	45%	42%	0.28mm ± 0.02mm

The Proguard RR radiation reducing sleeve is latex free, powder free and sterile. Composed of lead oxide, these sleeves offer complete arm protection when used in conjunction with radiation attenuating gloves (pictured with the Proguard RR below). For best use, tuck the RR sleeve into your radiation safety gloves. Sold by the pair and available in 3 sizes.

Certified to ASTM 2547 and IEC 61331-1:2014 Standards

SIZING INFORMATION

- **Small (RR-SLV-SM)** Approx. dimensions: 15.5" L x 7" W [3.75" at base; 5" at top]
- **Medium (RR-SLV-MD)** Approx. dimensions: 15.5" L x 7.5" W [4" at base; 5" at top]
- **Large (RR-SLV-LG)** Approx. dimensions: 15.5" L x 8" W [4.75" at base; 5.5" at top]



Latex Free/
Hypoallergenic



Premium
Lead



Single Use
Only

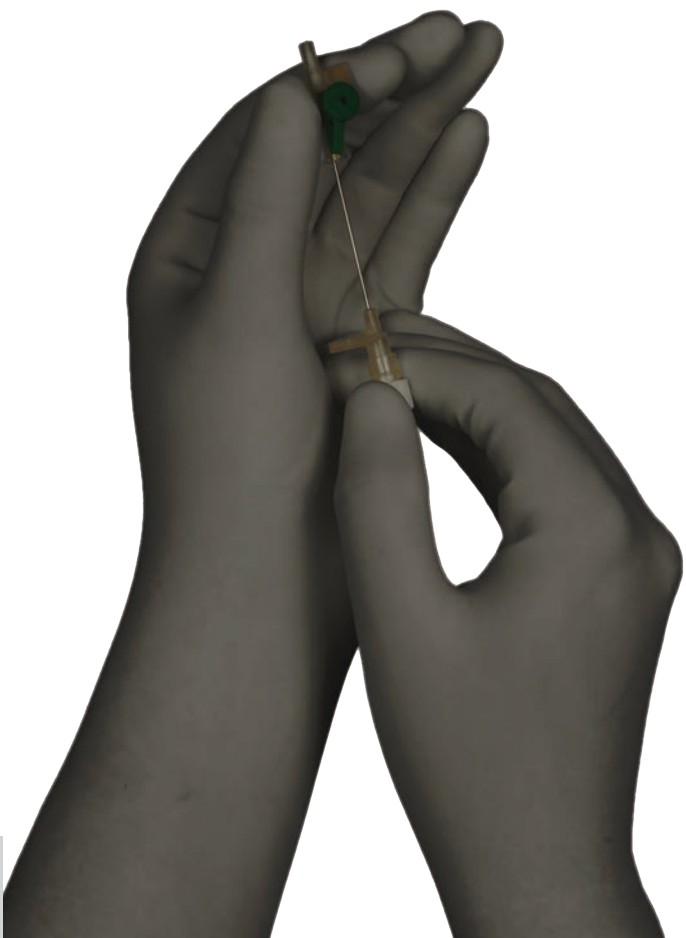


PROGUARD ELITE



MODEL: [E1 | E2]

The Proguard Elite is composed of a lead-free bismuth formula blended with premium polyisoprene and a proprietary polymer matrix free of harmful chemicals (MBT and DPG). The Proguard Elite gloves are intended to reduce the amount of scattered radiation exposure to the hands during fluoroscopic procedures. Proguard gloves are powder-free Personal Protective Equipment and are sterile unless opened or damaged.



COMPOSITION	STERILIZED	LATEX	POWDER	FDA	CE
Bismuth (Lead Free) Polyisoprene	Ethylene Oxide	No	No	PPE	No

Models	60 kVp	80 kVp	100 kVp	120 kVp	Thickness
E1	46%	37%	30%	24%	0.24mm ± 0.03mm
E2	54%	44%	36%	30%	0.28mm ± 0.03mm

Certified to ASTM 2547 and IEC 61331-1:2014 Standards

SIZING INFORMATION

- | | | | |
|--------------|------|--------------|------|
| • 6 - E160 | E260 | • 8 - E180 | E280 |
| • 6.5 - E165 | E265 | • 8.5 - E185 | E285 |
| • 7 - E170 | E270 | • 9 - E190 | E290 |
| • 7.5 - E175 | E275 | • 9.5 - E195 | E295 |



**Latex Free/
Hypoallergenic**



**Lead
Free**



**High Tactile
Sensitivity**



**Slip Coat
Technology**



**Single Use
Only**



PROGUARD PLUS

MODEL: [PG1 PG2]

COMPOSITION	STERILIZED	LATEX	POWDER	FDA	CE
Lead Oxide Polyisoprene	Ethilene Oxide	No	No	PPE	Pending

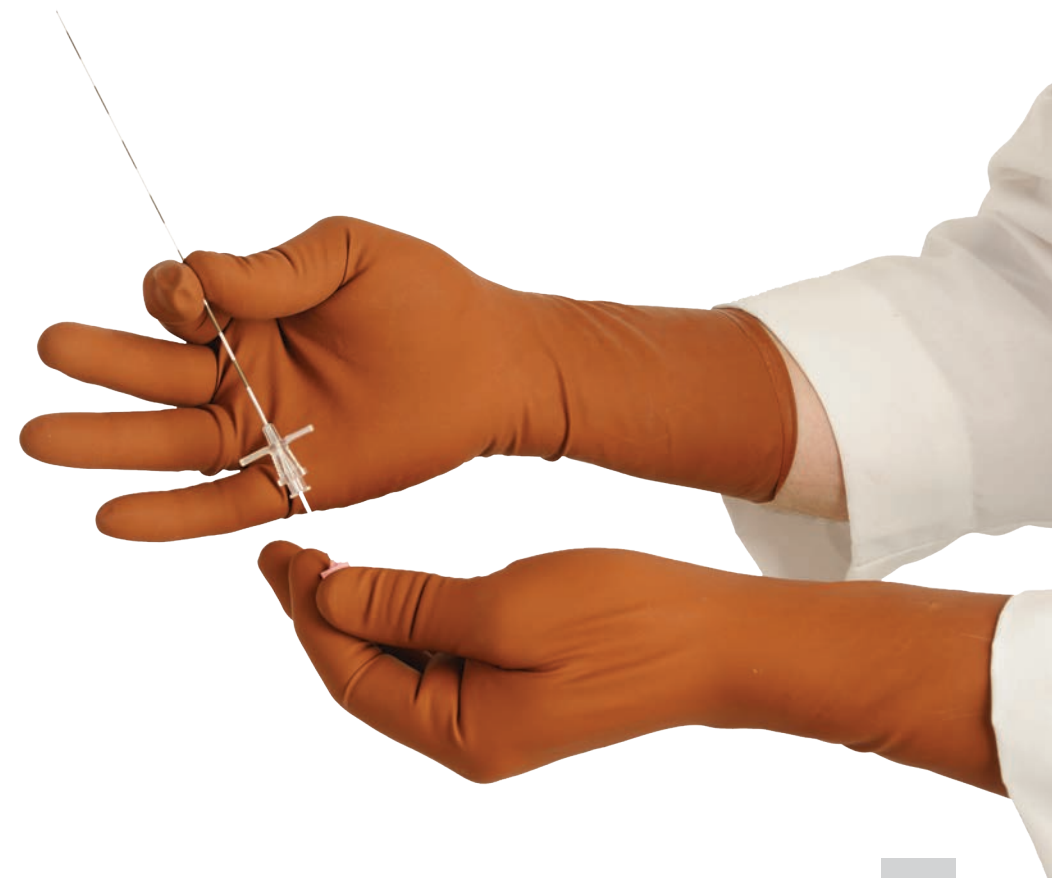
The Proguard Plus achieves surgical grade performance by combining the quality and characteristics of the original Protech Proguard glove with premium, latex-free polyisoprene. Rich textures, versatile grip, and maximum protection provide unrivaled tactile sensitivity and security.

Models	60 kVp	80 kVp	100 kVp	120 kVp	Thickness
PG1	50%	42%	37%	33%	0.24mm ± 0.02mm
PG2	54%	44%	36%	30%	0.28mm ± 0.03mm

Certified to ASTM 2547 and IEC 61331-1:2014 Standards

SIZING INFORMATION

- 6 - PG160
- 6.5 - PG165
- 7 - PG170
- 7.5 - PG175
- 8 - PG180
- 8.5 - PG185
- 9 - PG190
- 9.5 - PG195



Latex Free/
Hypoallergenic



Premium
Lead



High Tactile
Sensitivity



Slip Coat
Technology



Single Use
Only

ANGIOGRAPHIC LEAD GLOVES



MODEL	AP-ANGIO
CORE MATERIALS	Lead
THICKNESS	0.50mm LE (standard)
SIZING	One size fits all
CUSTOMIZATIONS	None
FEATURES	Sold as a pair
COLORS	Black Leatherette
CE	Yes

The Angiographic Lead Glove is mainly used in patient positioning but is also ideal for procedures involving high radiation exposure. The glove is soft, flexible, and can easily be wiped clean.



ANGIO MITT



MODEL	AP-ANGIOMIT
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
SIZING	One size fits all
CUSTOMIZATIONS	Embroidery and Logo
FEATURES	Can be used for left or right hand
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

Our Angio Mitt is part of a wide selection of radiation shielding accessories. The angio mitt is a flexible mitt used to shield the hand, thus reducing exposure under direct x-ray. This mitt can be used on either the right or left hand and is mainly used in positioning.



SLITT MITT



MODEL	AP-SLITMIT-L/R
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
SIZING	One size fits all
CUSTOMIZATIONS	Embroidery and Logo
FEATURES	Must specify left or right hand
COLORS	Refer to fabric colors on pages 60-63
CE	Yes

Our slit mitt is part of a wide selection of radiation shielding accessories. This flexible glove has a lead protective sheet for the top part of your hand and a slit on the bottom to allow for gripping.



04

MADE IN THE USA



BARRIERS

BARRIERS, DRAPES AND SHIELDS

Protech manufactures a comprehensive line of x-ray protective barriers, windows, and other leaded shield products. From fully custom lead doors to unique windows and overhead barriers, Protech has the expertise to meet your needs.

Many of the mobile barriers on the market restrict viewing due to large opaque panels. Protech Medical pioneered a new method of producing barriers. First, instead of glass, we use a light-weight lead acrylic which is substantially more durable. We also made sure the acrylic made up most of the barrier with only a small opaque panel. This new, clean looking design is lightweight and provides an excellent field of vision.

In line with our commitment to quality, most Protech barriers and components are produced in the USA.

- **The base features 0.50mm Pb lead sheeting.**
- **Acrylic and Aluminum/Steel are made in the USA**

FULL MOBILE BARRIER

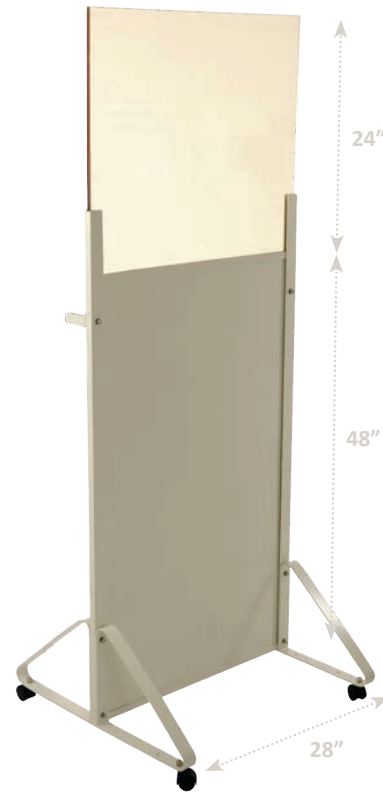
MODEL	MB-FULL
COMPOSITION	Bismuth Acrylic or Lead Glass
PROTECTION (ACRYLIC)	0.50mm LE
PROTECTION (GLASS)	1.60mm - 2.00mm LE
PROTECTION (BASE)	0.50mm LE (standard)
WINDOW DIMENSIONS	55" H x 28" W
FULL DIMENSIONS	72" H x 28" W
CE	No

Diagnostic x-ray procedures frequently require working personnel to remain in the examination room where they are subject to exposure from secondary radiation. The clear leaded acrylic barrier can provide total-body x-ray shielding during extended procedures. Our clear acrylic barrier provides 0.50mm LE protection and rests on an opaque lower panel with an equivalent 0.50mm LE. Smooth-rolling casters give the barrier great mobility. The acrylic lead barrier is shipped unassembled but can be easily assembled using a screwdriver and wrench. For heavy duty radiation protection barriers please see our CORNING lead glass barriers.

HALF MOBILE BARRIER

MODEL	MB-HALF
COMPOSITION	Bismuth Acrylic or Lead Glass
PROTECTION (ACRYLIC)	0.50mm LE
PROTECTION (GLASS)	1.60mm LE
PROTECTION (BASE)	0.50mm LE (standard)
WINDOW DIMENSIONS	24" H x 28" W
FULL DIMENSIONS	72" H x 28" W
CE	No

Diagnostic x-ray procedures frequently require working personnel to remain in the examination room where they are subject to exposure from secondary radiation. The clear leaded acrylic barrier can provide total-body x-ray shielding during extended procedures. Our clear acrylic barrier provides 0.50mm LE protection and rests on an opaque lower panel with an equivalent 0.50mm LE. Smooth-rolling casters give the barrier great mobility. The acrylic lead barrier is shipped unassembled but can be easily assembled using a screwdriver and wrench. For heavy duty radiation protection barriers please see our CORNING lead glass barriers.

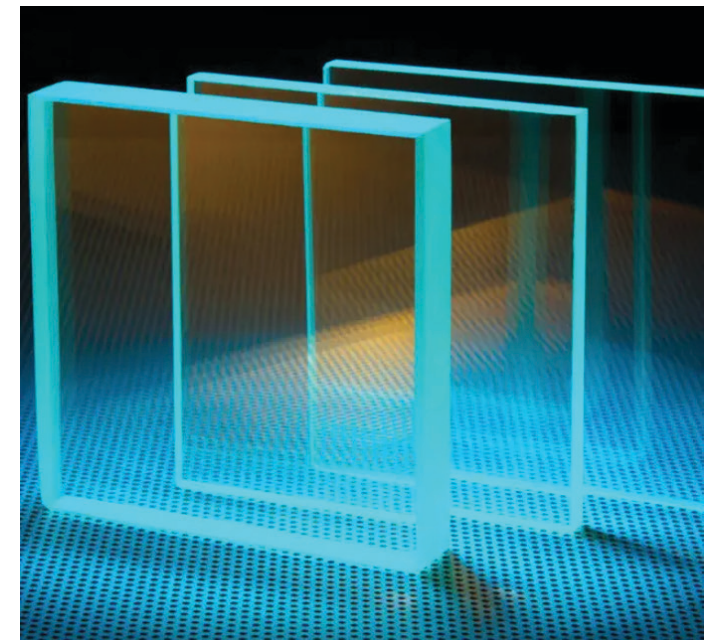


Acrylic and lead sheeting
made in the USA

CORNING MED-X LEAD GLASS

MODEL	SEE BELOW
COMPOSITION	Lead (52%) and Barium (17%)
THICKNESS	From 4mm up to 20mm
PROTECTION	From 1.4 up to 6.0mm Pb
DIMENSIONS	Custom dimensions up to 54" x 108"
DENSITY	4.8 g/cm ³
REFRACTIVE INDEX	1.76
TRANSMISSION %	≥85.0 (@ 550nm through 5mm path)
KNOOP HARDNESS	409 kg/mm ²
YOUNG'S MODULUS	62.6 GPa
TORSION MODULUS	24.8 GPa
POISSON'S RATIO	0.26
COEFFICIENT OF THERMAL EXPANSION	78.8 (x10 ⁻⁷ /°C)

Corning is a world leader in Radiation Shielding glass offering some of the largest glass sizes available! High barium and lead content provide optimum protection with excellent visual clarity. Corning glass shields against x-rays from equipment operating in the 80 to 300 kV range.



Model	GL-1012	GL-1212	GL-1218	GL-1224	GL-2424	GL-2430	GL-2436	GL-3048	GL-3060
Dimensions	10" x 12"	12" x 12"	12" x 18"	12" x 24"	24" x 24"	24" x 30"	24" x 36"	30" x 48"	30" x 60"

These are just some sample dimensions. You can customize your radiation shielding glass to your own specifications!

ADJUSTABLE BARRIER

MODEL	MB-ADJ
CORE MATERIAL	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
DIMENSIONS	24" W x 48" H
HEIGHT ADJUSTMENT	24" to 48" H
CE	No
COLORS	Refer to fabric colors on pages 60-63

Our adjustable mobile radiation barrier provides maximum shielding from x-ray exposure. Ideal for patient & personnel radiation protection our lead shield is easy to maneuver, and much lighter than the full & half acrylic barriers. This enables greater mobility while maintaining a solid construction with high quality, durable wheel casters. You can also customize your barrier with your company's logo or embroidery.

Velcro-lined for improved adjustability!



PORTA SHIELD

MODEL	MB-PORTA
CORE MATERIAL	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
DIMENSIONS	24" W x 24-36" H
HEIGHT ADJUSTMENT	34" - 60" (stand height)
CE	No
COLORS	Refer to fabric colors on pages 60-63

The graduated porta shield is a mobile-adjustable lead shield that provides a variety of different adjustable heights blended with a lightweight design. The "H" shaped wheels provide stability and portability. The shield is attached by velcro which enables easy removal for cleaning.

CUSTOM SIZING AVAILABLE



GRADUATED PORTA SHIELD

MODEL	MB-PORTA-GRAD
CORE MATERIAL	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
DIMENSIONS	24" W x 17-36" H
HEIGHT ADJUSTMENT	34" - 60" (stand height)
CE	No
COLORS	Refer to fabric colors on pages 60-63

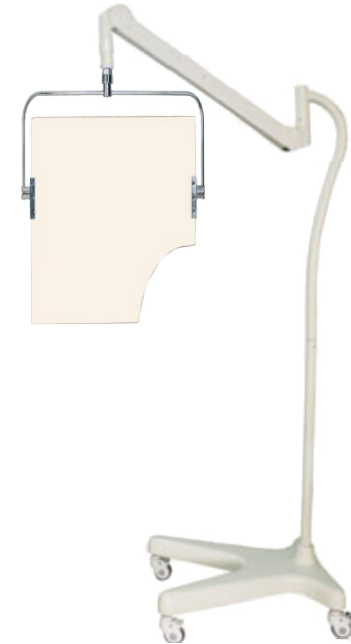
The graduated porta shield is similar to the porta shield but differentiates itself with its individual lead flaps. The flaps provide excellent versatility and usage. They are attached by velcro which enable easy removal for cleaning.



OVERHEAD BARRIER SQUARED

MODEL	MB-MOB-01
MATERIAL	Acrylic
PROTECTION	0.50mm LE (standard)
WINDOW SIZE	31.5" L x 23.6" W x 0.5" H
CURTAIN SIZE	N/A
CE	No
SPECIAL	Square Arm

Our unique line of mobile overhead barriers provide flexibility and versatility for a variety of procedures. Made from high quality steel and acrylic, our specialty mobile barriers roll on premium casters. Protech's specialty mobile acrylic barriers possess high quality suspension for proper swivel motion. A well engineered configuration allows for lightweight movement, enhanced stability and a small foot-print.



OVERHEAD BARRIER SQUARED W/ CURTAIN

MODEL	MB-MOB-02
MATERIAL	Acrylic
PROTECTION	0.50mm LE (standard)
WINDOW SIZE	15.75" L x 23.6" W x 0.5" H
CURTAIN SIZE	13.78" L x 23.6" W
CE	No
SPECIAL	Square Arm

Our unique line of mobile overhead barriers provide flexibility and versatility for a variety of procedures. Made from high quality steel and acrylic, our specialty mobile barriers roll on premium casters. Protech's specialty mobile acrylic barriers possess high quality suspension for proper swivel motion. A well engineered configuration allows for lightweight movement, enhanced stability and a small foot-print.



OVERHEAD BARRIER ROUNDED

MODEL	MB-MOB-03
MATERIAL	Acrylic
PROTECTION	0.50mm LE (standard)
WINDOW SIZE	31.5" L x 23.6" W x 0.5" H
CURTAIN SIZE	N/A
CE	No
SPECIAL	Rounded Arm

Our unique line of mobile overhead barriers provide flexibility and versatility for a variety of procedures. Made from high quality steel and acrylic, our specialty mobile barriers roll on premium casters. Protech's specialty mobile acrylic barriers possess high quality suspension for proper swivel motion. A well engineered configuration allows for lightweight movement, enhanced stability and a small foot-print.



OVERHEAD BARRIER ROUNDED W/ CURTAIN

MODEL	MB-MOB-04
MATERIAL	Acrylic
PROTECTION	0.50mm LE (standard)
WINDOW SIZE	15.75" L x 23.6" W x 0.5" H
CURTAIN SIZE	13.78" L x 23.6" W
CE	No
SPECIAL	Rounded Arm

Our unique line of mobile overhead barriers provide flexibility and versatility for a variety of procedures. Made from high quality steel and acrylic, our specialty mobile barriers roll on premium casters. Protech's specialty mobile acrylic barriers possess high quality suspension for proper swivel motion. A well engineered configuration allows for lightweight movement, enhanced stability and a small foot-print.



TABLE DRAPES

MODEL	SEE BELOW
CORE MATERIAL	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
DIMENSIONS	See below
CUSTOMIZATIONS	Embroidery and Logo
CE	No
COLORS	Refer to fabric colors on pages 60-63

The single sided table drape uses velcro to adhere to the side of your imaging table. The double sided drape features a saddlebag design for a secure fit to any style imaging table. They provide protection against scatter radiation for your lower body and are specially designed to not obstruct positioning of the C-arm. Each drape attaches to the top by velcro allowing for easy cleaning and adjustability.

Double-Sided



Drape Dimensions	Model (SINGLE-SIDED)	Model (DOUBLE-SIDED)
48" x 24"	TA-TS:4824	TA-TD:4824
48" x 28"	TA-TS:4828	TA-TD:4828
48" x 32"	TA-TS:4832	TA-TD:4832
48" x 36"	TA-TS:4836	TA-TD:4836
36" x 24"	TA-TS:3624	TA-TD:3624
36" x 28"	TA-TS:3628	TA-TD:3628
36" x 36"	TA-TS:3636	TA-TD:3636

Single-Sided



ANESTHESIA FRONT PANEL

MODEL	SEE BELOW
CORE MATERIAL	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
DIMENSIONS	See below
CUSTOMIZATIONS	Embroidery and Logo
CE	No
COLORS	Refer to fabric colors on pages 60-63

The anesthesia panel, unlike other table drapes, is a solid panel designed to fit any style imaging table by the head or feet of the patient. It provides protection against scatter radiation for your lower body and is designed to not obstruct positioning of the C-arm.



Front Panel Dimensions	Model (SINGLE-SIDED)
22" x 24"	TS/2224FP
22" x 26"	TS/2226FP
22" x 28"	TS/2228FP
22" x 32"	TS/2232FP
22" x 36"	TS/2236FP
24" x 24"	TS/2424FP
24" x 36"	TS/2436FP

05

Scatterguard patient drapes are a **weightless and disposable form of protection against scatter radiation**. To ensure the best possible quality and protection, Scatterguard products are manufactured in a CLASS 10,000 clean room.





SCATTERGUARD DRAPES

Protech is proud to offer a line of disposable products that protect doctors and technicians alike from the harmful effects of exposure to radiation while reducing the occurrence of biological contamination. ScatterGuard is comprised of disposable Smart Caps (head protection), and disposable ScatterGuard Drapes.



SCATTER RADIATION

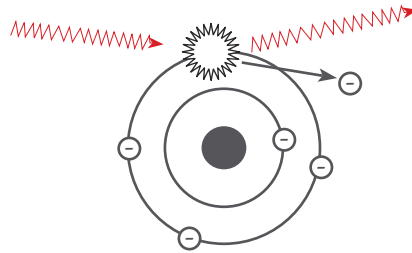
VERSUS DIRECT BEAM RADIATION

SCATTER RADIATION

These X-ray photons remove an outer shell electron from its orbit, thereby ionizing the atom. Low energy radiation interacts with body tissue then scatters in different directions.

LOW ENERGY - SCATTERED

Compton Effect



VERSUS

DIRECT BEAM RADIATION

These X-ray photons carry enough energy to eject an inner shell electron from its orbit. The High energy radiation penetrates and passes through the patient for imaging.

HIGH ENERGY - ABSORBED

Photoelectric Effect

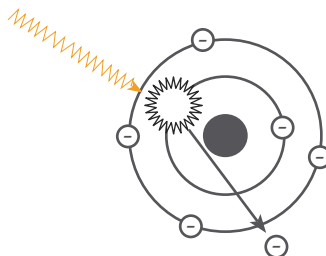
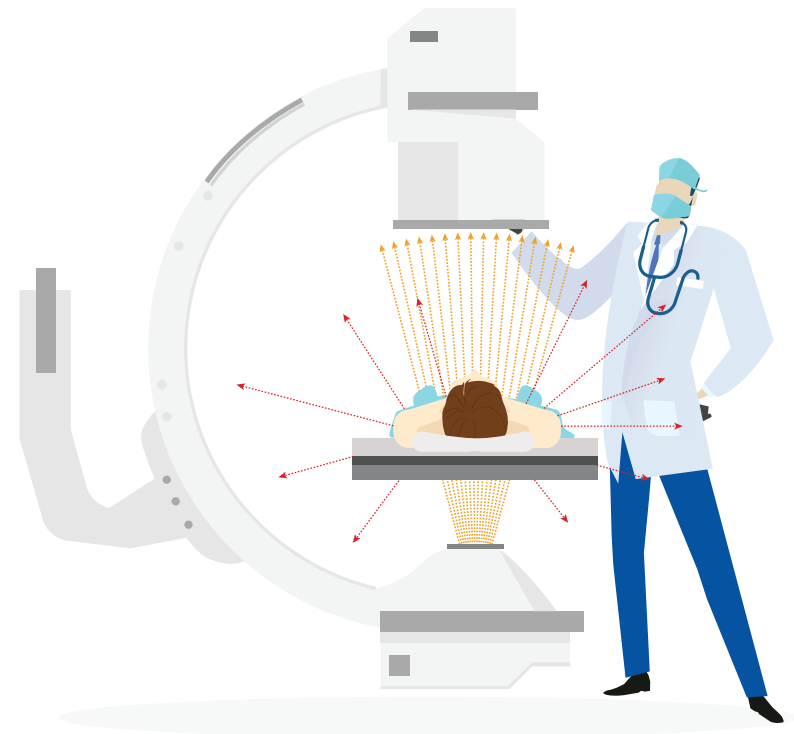


Image intensifiers have enabled surgeons to become technically more proficient and decrease the morbidity of the patient by minimizing area of operative field and decreasing operative time. Some over-use fluoroscopy, forgetting the principles of radiation protection, while others under-use it due to unfounded fears. In general, surgeons lack awareness about the radiation exposure they are getting and its effects on health.



THE EFFECTS OF SCATTER

The energy absorbed from ionizing radiation can cause cataracts, tumors, skin dermatitis, hair loss and germ cell mutations. In fact, "Cataracts occur with cumulative dose between 200 to 500 RADS." [2].

WHO IS AT RISK?

During procedures requiring fluoroscopy, direct beam radiation contacts a patient and "scatters" towards the surgeon and other personnel. This means surgeons and assistants are at maximum risk due to proximity to exposure area. "The scattered radiation from the patient comprises the main source of radiation dose to staff." [1]

According to the National & International Conferences on Radiation Protection (ICRP & NCRP), "Lens/Eye Dose should be limited to 15 RADs per year." Based on an average Lens/Eye Dose of 62 milleRads per hour and an average of 576 hours of Fluoroscopy per year some clinicians are receiving doses of 35.7 RADs per year. In a 30 year career this amounts to 1,071 RADs, if the operator is standing upright; far more if crouched or seated (about 5,184 RADs).

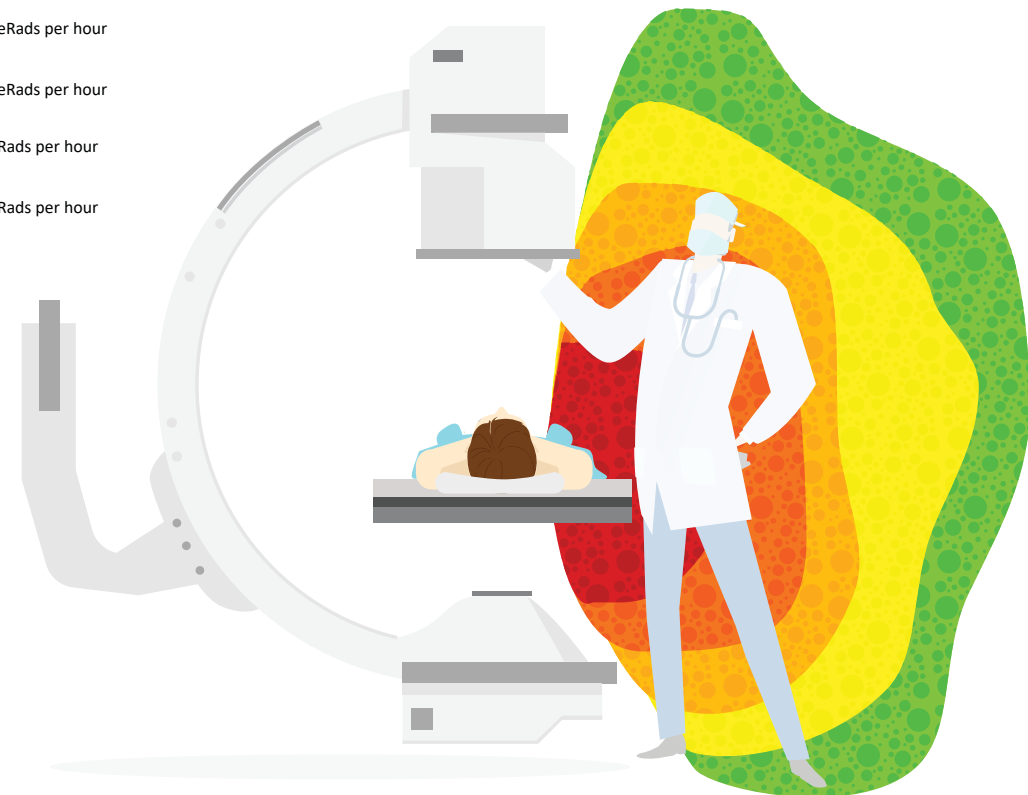
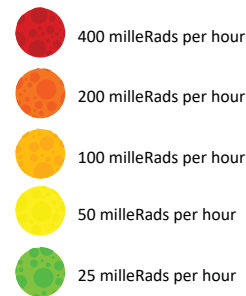
[1] – International Atomic Energy Agency

[2] - National & International Conferences on Radiation Protection

[3] - Drs. Dauer & Thorton, Memorial Sloan Kettering Medical Center, Society of Interventional Radiology 2009

WEAR PROTECTION!

A SIR published study concluded "...leaded glasses and scatter-draping drapes substantially reduced lens dose by factors of 9.5 and 12 respectively. Maximal eye draping was achieved by the use of both leaded glasses and scatter-draping drapes." [3]





PATIENT DRAPES

ScatterGuard Patient Drapes protect surgeons and technicians from the harmful effects of scatter radiation during surgical procedures *without any added weight*.

Our lead-free, latex-free, powder-free drapes may be disposed of through normal waste and are custom designed for each procedure. The drape interior is made from our high-quality, Prolite lead-free core material comprised of bismuth and antimony while the exterior fabric is a USA-made, absorbent material with a laminated/sealed plastic inner layer. All Scatterguard drape models are sold by the box (10 per box).

CERTIFIED TO ASTM 2547-18 AND IEC 61331-1:2014 STANDARDS [CE 2895*]

PROTECTION PROPERTIES

Lead Equivalence (LE)	Attenuation @ 80kVp	Attenuation @ 100kVp
0.125mm	77.3%	68.9%
*0.25mm	91.9%	85.6%
0.375mm	96.4%	92.1%

ABSORBANCY

Fabric Type	Absorbant Rate	Weight	Absorbant Capacity
Corzorb	6.8 sec	62.7 gsm	650%



WEIGHTLESS PROTECTION



STERILE



LEAD FREE



LATEX FREE



PREMIUM ADHESIVE

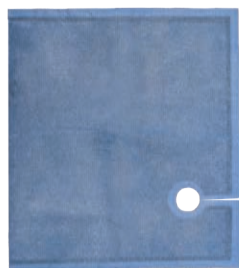


DISPOSABLE

#	MODEL	DESCRIPTION	FENESTRATION	DIMENSIONS	PROCEDURES
1	SG-AD-125/250	Angiography Drape	2" Circle	14.5" x 16.5"	Angiography, Coronary Catheterization, UFE, Pelvic Surgery and TACE
2	SG-BSD-250	Biliary Split Drape	5" Slit	14.5" x 16.5"	Transjugular intrahepatic portosystematic shunt (TIPS)
3	SG-DSD-250	Dialysis Drape	4.5" x 9" Rectangle	32" x 50"	Dialysis access and declotting, Fistulagram
4	SG-EPD-125/250	EP Left Subclavian Drape	3.25" x 2.25" Scoop	13.5" x 17.5"	Bi-ventricular pacemaker implants, Bi-ventricular pacing and ICS procedures

1

Angiography Drape



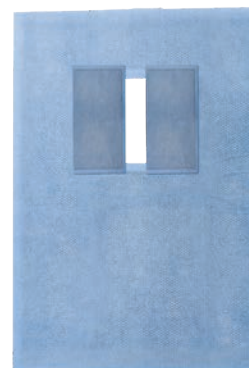
2

Biliary Split Drape



3

Dialysis Drape



4

EP Left Subclavian Drape



#	MODEL	DESCRIPTION	FENESTRATION	DIMENSIONS	PROCEDURES
5	SG-EPDC-LG-250	EP Drape - Large	5.75" x 3" Scoop	16" x 16"	Bi-ventricular pacemaker implants, Bi-ventricular pacing and ICS procedures
6	SG-EPDC-SM-250	EP Drape - Small	5.75" x 3" Scoop	11" x 16"	Bi-ventricular pacemaker implants, Bi-ventricular pacing and ICS procedures
7	SG-JUG-125	Jugular Access/ TIPS Drape	5" Slit	13.5" x 17.5"	Transjugular intrahepatic portosystematic shunt (TIPS)
8	SG-MPD-125/250/375	Multipurpose Drape	None	13.5 x" x 17.5"	Needle Biopsy or Puncture procedures

5

EP Drape - Large



6

EP Drape - Small



7

Jugular Access/TIPS Drape



8

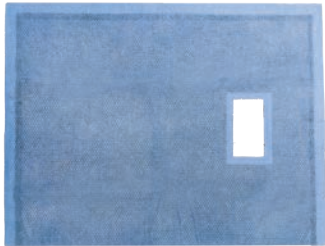
Multipurpose Drape



#	MODEL	DESCRIPTION	FENESTRATION	DIMENSIONS	PROCEDURES
9	SG-MPDF-125/250/375	Multipurpose Drape with Fenestration	3.5" x 2" Rectangle	13.5" x 17.5"	Needle Biopsy or Puncture procedures
10	SG-PPD-125/250	Peripheral Drape	None	11" x 34"	Peripheral procedures where access is through the femoral artery
11	SG-DCAP-125/250/375	Disposable Smart Cap	None	One size fits all	Any procedure involving fluoroscopy

9

Multipurpose Drape with Fenestration



10

Peripheral Drape



11

Disposable Smart Cap





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